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THE HIGHER EDUCATION DESKBOOK

1979-80

Editorial Projects for Education

The
Higher Education
Deskbook
1979-80

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Rising Prices Paid by Colleges and Universities

Index: 1967–100	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78
Personnel Compensation								
Professional salaries	127.5	132.5	138.4	145.4	153.6	161.6	169.2	177.9
Faculty	127.2	131.7	137.4	144.4	152.3	161.1	168.7	177.6
Admin. & Inst. Services	129.2†	135.8	143.3†	150.8	160.7†	163.8	171.4†	179.5
Library	128.5†	135.1	142.2†	149.4	157.1†	165.0	171.1	177.7
Nonprofessional salaries & wages	126.9	136.1	144.3	153.4	165.7	179.1	191.5	206.5
Craftsmen	127.9	137.9	146.6	157.9	172.1†	186.2†	200.5	216.3
Clerical	125.7	133.4	140.6	149.6	164.0	176.0	187.6	201.7
Operators & Laborers	128.1	138.5	147.2	157.7	171.9†	186.0†	199.8	214.6
Fringe benefits	162.0	180.2	197.7	222.0	241.0	266.7	295.0	324.3
Total Personnel Compensation	**131.2**	**138.4**	**146.0**	**155.3**	**165.5**	**176.4**	**187.1**	**199.2**
Contracted Services, Supplies & Equipment								
Services	119.3	126.4	131.9	138.1	150.2	157.4	166.7	176.1
Data processing	107.0	111.5	116.4	119.0	124.2	131.5	134.8	138.6
Communication	108.1	117.4	120.8	126.1	132.2	140.5	148.0	149.9
Transportation	135.6	143.2	146.3	148.2	153.3	170.8	181.2	188.5
Printing & duplicating	119.7	126.5	132.1	140.1	159.9	163.7	174.6	187.2
Supplies & materials	110.3	112.6	116.3	131.6	164.2	171.8	180.6	188.3
Equipment	115.1	119.4	123.1	130.6	154.1	163.2	171.5	183.3
Books & periodicals	144.8	163.8	177.0	195.3	219.5	251.8	267.7	286.4
Hardcover books	146.9	166.9	173.3	179.8	207.6	238.6	253.5	265.7
U.S. periodicals	139.9	156.7	177.8	217.7	238.0	268.2	288.2	310.9
Utilities	114.6	122.4	129.0	158.3	202.9	219.1	258.1	292.5
Total contracted services, supplies & equipment	**118.6**	**125.6**	**131.5**	**144.5**	**168.8**	**180.2**	**194.8**	**209.3**

Index numbers above equal per cent of 1967 costs for various goods and services. The figures are from data included in the Higher Education Price Index, shown on Page 124.

†Estimated

SOURCE: D. KENT HALSTEAD

finances

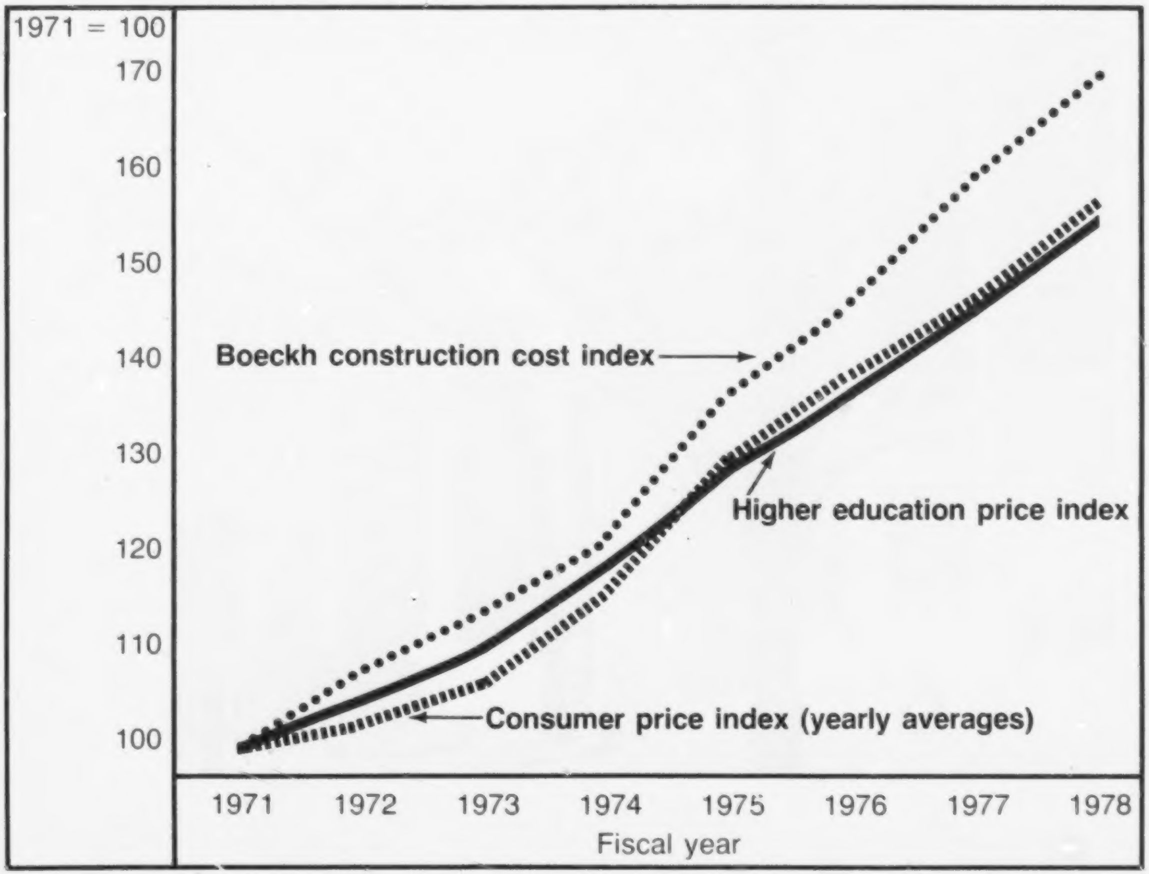
Higher Education Price Index

Year	Index	Year	Index	Year	Index	Year	Index
1963	83.6	1967	100.0	1971	128.6	1975	166.2
1964	86.8	1968	106.0	1972	135.8	1976	177.2
1965	90.5	1969	113.2	1973	143.0	1977	188.6
1966	95.0	1970	121.0	1974	153.1	1978	201.3

The index, above, shows cumulative changes in prices colleges and universities pay for goods and services.

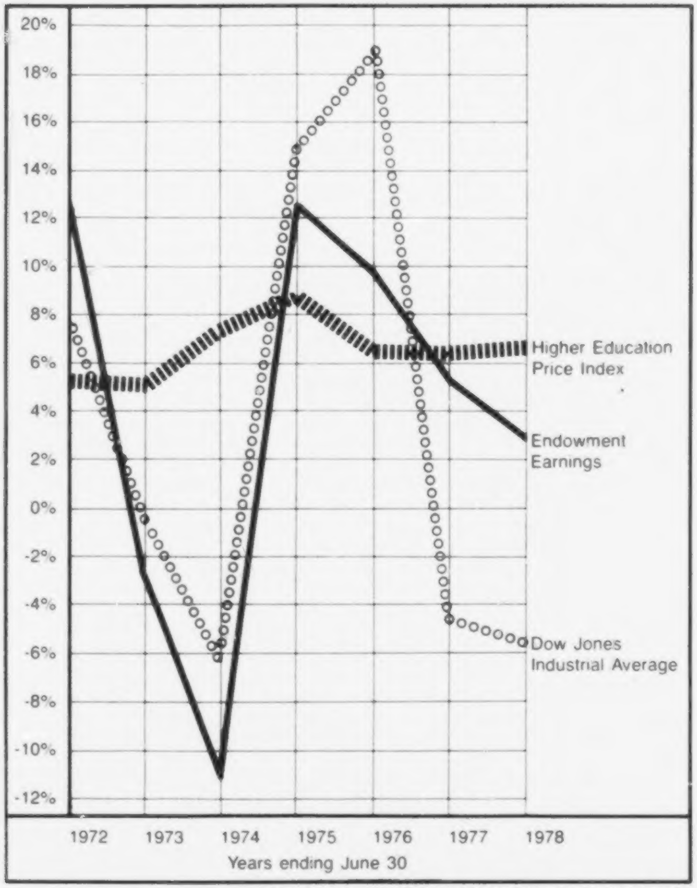
SOURCE: D. KENT HALSTEAD

Higher Education's Inflation Index Rises 6.7 Pct.



The Higher Education Price Index is compared, above, with other measures of inflation.

College Endowments Outperform Market



SOURCES: NATIONAL ASSOCIATION OF COLLEGE AND UNIVERSITY BUSINESS OFFICERS; D. KENT HALSTEAD

The net return of endowment funds is compared above with changes in indexes of common-stock prices and college operating costs.

How 144 College Endowment Funds Rank

Following is a list of endowment funds by 144 colleges and universities in a survey by the National Association of College and University Business Officers. The funds are ranked according to market values reported for June 30, 1978. Market values are shown for comparison.

Rank	Institution	Market Value June 30, 1976	Market Value June 30, 1975
1.	Harvard U.	$1,456,310,000	$1,392,640,000
2.	Stanford U.	455,713,000	590,620,000[1]
3.	Yale U.	562,900,000	548,800,000
4.	Columbia U.	460,000,000	482,500,000
5.	Princeton U.	433,506,000	426,416,000
6.	U. of California	367,268,000	362,866,000
7.	Massachusetts Institute of Technology	325,861,000	335,669,000
8.	U. of Rochester	304,623,000	308,129,000
9.	U. of Chicago	278,500,000	294,300,000
10.	Cornell U.	——	280,817,000
11.	New York U.	275,098,000	262,797,000[1]
12.	Northwestern U.	248,158,000	252,798,000
13.	Rice U.	223,760,000	248,181,000
14.	Washington U.	231,340,000	230,546,000
15.	California Institute of Technology	157,938,000	177,516,000
16.	U. of Pennsylvania	167,427,000	160,032,000
17.	Johns Hopkins U.	151,312,000	159,200,000
18.	Dartmouth C.	157,463,000	158,591,000
19.	Wellesley C.	125,309,000	134,593,000
20.	U. of Delaware	122,693,000	120,606,000
21.	U. of Notre Dame	110,012,000	119,015,000
22.	Carnegie-Mellon U.	112,495,000	111,139,000
23.	Case Western Reserve U.	102,133,000	111,087,000
24.	U. of Virginia	124,609,000[5]	104,341,000
25.	Wesleyan U.	107,887,000	104,081,000
26.	U. of Michigan	101,708,000	98,860,000
27.	Brown U.	96,500,000	97,475,000
28.	U. of Minnesota	87,093,000	89,604,000
29.	U. of Pittsburgh	88,228,000	87,024,000
30.	Smith C.	82,082,000	85,535,000
31.	Rensselaer Polytechnic Institute	89,302,000	85,315,000
32.	Oberlin C.	85,735,000	83,412,000
33.	Vassar C.	74,352,000	81,528,000
34.	Williams C.	73,534,000	78,063,000
35.	Amherst C.	79,608,000	75,240,000
36.	Berea C.	71,730,000	73,954,000
37.	Swarthmore C.	63,628,000	67,935,000
38.	Ohio State U.	62,375,000	63,398,000
39.	U. of Richmond	58,925,000	61,816,000
40.	Brandeis U.	53,582,000	57,007,000
41.	Lehigh U.	56,580,000	57,004,000
42.	Syracuse U.	57,145,000	55,551,000
43.	Rochester Institute of Technology	——	53,733,000
44.	State U. of New York at Buffalo	53,476,000	53,703,000
45.	Mount Holyoke C.	48,865,000	51,390,000
46.	Lafayette C.	48,400,000	51,255,000

Rank	Institution	Market Value June 30, 1976	Market Value June 30, 1975
47.	Wake Forest U.	47,768,000	50,677,000
48.	Carleton C.	43,147,000	47,472,000
49.	Middlebury C.	40,124,000	41,551,000
50.	Georgetown U.	——	39,415,000
51.	Colgate U.	32,850,000	38,978,000[2]
52.	U. of Miami	35,254,000	38,541,000[2]
53.	Agnes Scott C.	——	38,495,000
54.	Bowdoin C.	38,990,000	38,430,000
55.	Bryn Mawr C.	46,920,000	38,394,000
56.	Trinity C. (Conn.)	36,584,000	37,479,000
57.	Cooper Union	35,314,000	34,773,000
58.	Boston U.	31,266,000	33,875,000
59.	Tufts U.	27,884,000	31,617,000
60.	U. of Wisconsin System	32,174,000	31,523,000
61.	Hampton Institute	29,741,000	29,397,000
62.	Whitman C.	24,002,000	28,968,000
63.	Bucknell U.	29,234,000	28,735,000
64.	Willamette U.	23,788,000	27,559,000
65.	Rutgers, the State U.	28,810,000	27,462,000
66.	Academy of the New Church	31,734,000	27,140,000
67.	Occidental C.	21,088,000	27,015,000
68.	Colby C.	26,779,000	25,888,000
69.	Colorado C.	23,730,000	25,789,000
70.	Macalester C.	19,392,000	24,538,000[1]
71.	U. of Tennessee	19,742,000	24,137,000
72.	Baylor C. of Medicine	22,648,000	23,604,000
73.	Drew U.	24,701,000	23,518,000
74.	Teachers C. Columbia U.	21,393,000	22,828,000[1]
75.	Barnard C.	22,309,000	20,982,000
76.	U. of Illinois	20,143,000	20,416,000
77.	Denison U.	18,328,000	17,976,000
78.	Dickinson C.	17,559,000	17,567,000
79.	C. of Wooster	16,009,000	17,488,000
80.	U. of Vermont	17,555,000	17,372,000
81.	Ohio Wesleyan U.	——	17,339,000
82.	Hendrix C.	14,800,000	17,215,000[3]
83.	Albion C.	16,224,000	17,087,000
84.	Sweet Briar C.	14,669,000	17,018,000
85.	U. of Santa Clara	11,606,000	16,929,000
86.	Simmons C.	16,280,000	16,730,000
87.	U. of Missouri	13,415,000	16,393,000
88.	U. of Alabama	16,124,000	16,103,000
89.	George Washington U.	14,018,000	15,316,000
90.	U. of Maryland	15,006,000	15,104,000
91.	Marquette U.	11,878,000	14,493,000
92.	U. of Nevada	13,744,000	14,183,000

93. Rhode Island School of Design	——	13,961,000
94. Clark U.	13,740,000	13,659,000
95. Pennsylvania State U.	11,290,000	13,507,000
96. Indiana U.	12,347,000	13,236,000
97. Michigan State U.	12,693,000	13,050,000
98. Cornell C.	——	12,710,000
99. Franklin and Marshall C.	12,258,000	12,566,000
100. U. of Puget Sound	9,566,000	12,011,000[1]
101. Wheaton C. (Mass.)	——	11,561,000
102. Spelman C.	11,319,000	11,377,000
103. Baldwin-Wallace C.	10,127,000	11,243,000
104. Reed C.	8,347,000	11,128,000
105. Oregon State Board of Higher Education	10,747,000	11,119,000
106. Alma C.	9,420,000	10,999,000
107. Drake U.	10,780,000	10,861,000[2]
108. Washburn C.	10,451,000	10,451,000
109. Mercer U.	8,924,000	9,942,000
110. U. of Maine	9,594,000	9,645,000
111. Coe C.	8,919,000	9,433,000
112. U. of Arizona	8,937,000	9,207,000
113. Kenyon C.	8,041,000	8,670,000
114. Muhlenberg C.	7,086,000	7,839,000
115. Hobart and William Smith C.	7,195,000	7,751,000
116. St. Norbert C.	7,541,000	7,688,000
117. U. of Dayton	6,785,000	7,526,000
118. Whittier C.	6,931,000	7,431,000
119. Wayne State U.	5,692,000	6,573,000[4]
120. Babson C.	4,500,000	6,344,000
121. Oregon State U. Foundation	2,674,000	6,054,000
122. U. of Evansville	5,976,000	5,941,000
123. Carroll C.	5,205,000	5,909,000
124. Hope C.	3,558,000	5,617,000
125. U. of Nebraska	4,527,000	5,273,000
126. Alfred U.	5,050,000	5,127,000
127. Otterbein C.	4,524,000	5,092,000
128. Doane C.	——	4,989,000
129. Virginia Military Academy	5,196,000	4,915,000
130. Medical College of Pennsylvania	——	4,684,000
131. American U.	4,760,000	4,617,000
132. U. of Arkansas	4,871,000	4,580,000
133. U. of Akron	4,215,000	4,168,000
134. Washington State U.	4,078,000	4,001,000
135. Philadelphia C. of Textiles and Science	3,309,000	3,395,000
136. Arizona State U.	2,251,000	3,311,000
137. U. of North Carolina	3,001,000	3,173,000
138. U. of Oregon Development Fund	1,791,000	2,701,000
139. U. of Connecticut	1,563,000	1,514,000
140. Oakland U.	1,513,000	1,487,000
141. U. of Mississippi	1,354,000	1,431,000
142. Eastern Michigan U.	1,070,000	1,389,000
143. Monmouth C. (N.J.)	1,388,000	1,277,000
144. State U. of New York at Binghamton	606,000	591,000

1. As of Aug. 31, 1978.
2. As of May 31, 1978.
3. As of July 31, 1978.
4. As of Sept. 30, 1978.
5. Includes $28,100,000 in trustee-held funds not in 1978 total.

Note: —— indicates 1977 data not reported

SOURCE: NATIONAL ASSOCIATION OF COLLEGE AND UNIVERSITY BUSINESS OFFICERS

The Common Fund Portfolio

College and university funds invested in common stocks through the Common Fund earned a total return—dividends and appreciation—of 7.1 per cent in the three months ending March 30, 1979 on holdings of $55,143,975.

The equity fund, which includes endowments from about 140 colleges, universities, and private secondary schools, posed a total return of 13.7 per cent during the 12 months ending last December 31. This compared with a return of 6.7 per cent for the Standard and Poor's index of 500 stocks.

Following is a list of the equity securities held by the Common Fund at the end of the first quarter of 1978 and on the same date a year earlier.

	Mar. 31, 1978		Mar. 31, 1979	
	Shares	Market value	Shares	Market value
Automotive				
Budd (conv. deb. 5.875%, 6/15/94)	700,000	$1,036,000		
Donaldson	20,000	485,000	15,000	$ 337,500
General Motors	14,000	861,000		
Maremont	46,000	822,250	46,000	1,046,500
Purolator	24,000	516,000	18,000	499,500
Subtotals		**$3,720,250**		**$1,883,500**
Business machines and services				
Burroughs	11,000	$ 647,625	11,000	$ 779,625
Centronics Data Computer	23,000	454,250	35,000	1,351,875
Commerce Clearing House	30,000	435,000		
Control Data	35,500	878,625	21,400	719,575
International Business Machines	11,897	2,801,743	11,297	3,564,204
Moore	27,000	789,750	27,000	911,250
Nielsen (A.C.) Class A	18,000	409,500	18,000	423,000
Servicemaster				
Xerox	10,800	452,250	7,845	457,952
Subtotals		**$7,438,743**		**$9,347,480**
Chemicals				
Dow Chemical	22,000	$ 517,000	22,000	$ 616,000
Economics Laboratory	15,000	288,750		
Engelhard Minerals & Chemicals	15,000	358,125	15,000	590,625
Conv. deb. 5.25% 11/15/97	600,000	552,000		
Conv. deb. 5.25% 5/25/97			6,000	792,000

	Mar. 31, 1978		Mar. 31, 1979	
	Shares	Market value	Shares	Market value
Chemicals (continued)				
Loctite	15,000	343,125	15,000	382,500
Lubrizol	13,000	476,125	9,000	401,625
Mallinckrodt	16,000	488,000	16,000	464,000
Petrolite	11,000	365,750	11,000	544,500
Subtotals		**$3,388,875**		**$3,791,250**
Construction materials and maintenance				
Caterpillar Tractor	22,000	$1,042,250	20,000	$1,187,500
Cummins Engine	11,500	406,813	11,500	425,500
Dresser Industries	10,000	390,000	10,000	413,750
Georgia-Pacific	21,616	524,188	23,116	661,696
Masco	25,000	471,875	25,000	540,625
Tennant	19,000	589,000	19,000	532,000
Weyerhauser	13,025	293,063	6,075	188,325
Subtotals		**$3,717,189**		**$3,949,396**
Consumer goods and services				
American Express	24,000	$ 771,000		
Black & Decker Manufacturing	25,000	393,750	25,000	$ 543,750
Clorox	20,000	242,500		
Colgate-Palmolive	30,000	607,500		
Cross (A.T.), Class A	7,500	359,063	18,400	489,900
McDonald's	22,000	1,006,500	22,000	924,000
Minnesota Mining & Manufacturing	14,000	612,500	8,000	463,000
Procter & Gamble	7,500	555,938	4,100	332,100
Revlon	14,500	$ 569,125	7,000	$ 340,375
Rubbermaid	20,000	500,000	20,000	482,500
Sunbeam	30,000	603,750	30,000	720,000
Warner Communications	24,000	810,000	10,000	488,750
Subtotals		**$7,031,626**		**$4,784,375**
Drugs and medical				
American Home Products	24,500	$ 686,000	13,500	$ 359,438
Bausch & Lomb	26,000	1,170,000	8,000	336,000
Baxter Travenol Laboratories				
Charles River Breeding Labs	15,000	296,250		
Johnson & Johnson	18,500	1,258,000	15,000	1,029,375
Lilly (Eli)	27,500	1,117,188	27,500	1,467,813
Medtronic	20,000	407,500		
Merck	11,500	559,188	11,500	759,000
Physio Control	1,000	30,000	10,000	275,000
Schering-Plough	10,000	285,000	10,450	296,519
Sigma-Aldrich	10,000	215,000	10,000	295,000
Subtotals		**$6,466,626**		**$5,292,144**
Electrical & electronic				
AMP	19,000	$ 486,875	15,000	$ 491,250
Automatic Switch			10,000	382,500
Cutler-Hammer	13,500	465,750		
Emerson Electric	14,000	446,250	14,000	469,000
Hewlett-Packard	4,000	249,500		
Sun Electric			4,200	116,550
Tektronix			5,000	271,250
Texas Instruments			5,000	430,000
Subtotals		**$2,133,375**		**$2,894,050**
Entertainment				
Storer Broadcasting	30,000	$ 768,750		
Subtotal		**$ 768,750**		
Financial–banking				
Citicorp	18,000	$ 373,500	18,000	$ 409,500
First International Bancshares	12,000	459,000	15,000	485,625
Imperial Corporation of America	60,000	982,500	43,000	892,250
Subtotals		**$1,815,000**		**$1,787,375**
Financial–insurance and other				
Aetna Life & Casualty	20,700	$ 719,325	14,000	$ 624,750
Capital Holding	31,000	639,375	27,000	556,875
Connecticut General Insurance	15,500	695,562	19,250	697,813
General Reinsurance	8,000	1,160,000	8,000	1,360,000
Jefferson-Pilot	20,000	567,500	20,000	610,000
Federal National Mortgage Association	50,000	$ 706,250	35,000	$ 551,250
Subtotals		**$4,488,012**		**$4,400,688**
Food Products				
Carnation	11,000	$ 276,375		
Coca-Cola	12,000	454,500	6,000	$ 247,500
Gerber Products	12,500	375,000	17,000	484,500
McCormick	40,000	$ 580,000	40,000	$ 565,000
Royal Crown	25,000	465,625	30,000	397,500
Subtotals		**$2,151,500**		**$1,694,500**
Oils and oil services				
Exxon	17,000	758,625	17,194	906,984
Halliburton	15,000	862,500	15,000	1,031,250
Houston Oil & Minerals	20,000	402,500		
Hughes Tool	18,000	540,000	21,000	1,039,500
Mesa Petroleum			25,000	1,068,750

	Mar. 31, 1978		Mar. 31, 1979	
	Shares	Market value	Shares	Market value
Oils and oil services (Continued)				
Schlumberger	20,950	1,401,031	19,450	1,998,488
Standard Oil of Indiana	10,000	457,500	8,100	479,925
United Nuclear	20,000	785,000		
UNC Resources			20,000	405,000
Subtotals		**$5,987,031**		**$9,146,021**
Photographic products				
Eastman Kodak	12,550	$ 530,237	9,650	$ 617,600
Subtotals		**$ 530,237**		**$ 617,600**
Pollution controls				
Browning-Ferris Industries	45,000	$ 523,125		
Peabody International	24,150	522,243	15,907	$ 338,034
Waste Management	60,000	1,260,000	33,000	965,250
Subtotals		**$2,305,368**		**$1,303,284**
Printing and publishing				
Compugraphic	20,000	$ 887,500		
De Luxe Check Printers	15,000	386,250	15,000	$ 465,000
Donnelley (R.R.) & Sons	10,000	241,250	7,000	202,125
Dow Jones	22,500	714,375		
Printing and publishing (continued)				
McGraw-Hill	15,000	288,750		
Time	15,000	601,875	8,500	326,188
Wallace Business Forms	20,000	425,000	18,000	450,000
Subtotals		**$3,545,000**		**$1,443,313**
Special products				
Millipore	30,000	$ 716,250	30,000	$ 828,750
Waters Associates			13,500	425,250
Subtotals		**$ 716,250**		**$1,254,000**
Stores				
Standard Brands Paint	12,200	$ 347,700	10,000	$ 216,250
Subtotals		**$ 347,700**		**$ 216,250**
Transportation				
Braniff International	70,000	$ 787,500	50,000	$ 600,000
Northwest Airlines	35,000	896,875		
Tiger International	55,000	983,125	30,000	738,750
Subtotals		**$ 347,700**		**$ 216,250**
Transportation				
Subtotals		**$2,667,500**		**$1,338,750**
Total stock investment		**$59,219,032**		**$55,143,975**

SOURCE: THE COMMON FUND

College and University Finances

	Fiscal years			Per cent change	
	1976	1977	1978	'76 to '77	'77 to '78
Private institutions					
Total current funds revenues	$12,935,911,000	$14,260,924,000	$15,715,538,000	+10.2%	+10.2%
(Per cent from tuition and fees)	(36.7%)	(36.7%)	(36.7%)		
Total current funds expenditures	$12,783,392,000	$14,043,273,000	$15,433,557,000	+ 9.9%	+ 9.9%
Educational and general expenditures	9,378,084,000	10,228,753,000	11,190,256,000	+ 9.1%	+ 9.4%
Scholarships and fellowships	843,856,000	920,599,000	1,003,341,000	+ 9.1%	+ 9.0%
Market value of endowment at end of fiscal years	$12,559,191,000	$13,178,141,000	$13,665,732,000	+ 4.9%	+ 3.7%
Public institutions					
Total current funds revenues	$27,022,846,000	$29,454,639,000	$31,457,554,000	+ 9.0%	+ 6.8%
(Per cent from tuition and fees)	(12.9%)	(13.1%)	(13.3%)		
Total current funds expenditures	$26,367,592,000	$28,831,177,000	$30,503,385,000	+ 9.3%	+ 5.8%
Educational and general expenditures	21,460,864,000	23,187,838,000	25,321,119,000	+ 8.0%	+ 9.2%
Scholarships and fellowships	812,910,000	872,846,000	861,626,000	+ 7.4%	− 1.3%
Market value of endowment at end of fiscal years	$2,939,617,000	$3,138,161,000	$3,288,793,000	+ 6.8%	+ 4.8%
Universities					
Total current funds revenues	$17,447,011,000	$19,035,330,000	$20,501,050,000	+ 9.1%	+ 7.7%
(Per cent from tuition and fees)	(17.9%)	(18.0%)	(18.3%)		
Total current funds expenditures	$17,138,896,000	$18,759,368,000	$19,941,208,000	+ 9.4%	+ 6.3%
Educational and general expenditures	13,109,772,000	14,170,192,000	15,374,658,000	+ 8.1%	+ 8.5%
Scholarships and fellowships	710,560,000	763,409,000	819,031,000	+ 7.4%	+ 7.3%
Market value of endowment at end of fiscal years	$9,176,278,000	$9,624,893,000	$10,077,263,000	+ 4.9%	+ 4.7%
Four-year institutions					
Total current funds revenues	$17,164,808,000	$18,875,964,000	$20,291,661,000	+10.0%	+ 7.5%
(Per cent from tuition and fees)	(24.5%)	(24.5%)	(25.0%)		
Total current funds expenditures	$16,880,157,000	$18,516,528,000	$19,849,718,000	+ 9.7%	+ 7.2%
Educational and general expenditures	12,954,220,000	14,028,544,000	15,403,341,000	+ 8.3%	+ 9.8%
Scholarships and fellowships	786,121,000	864,905,000	904,294,000	+10.0%	+ 4.6%
Market value of endowment at end of fiscal years	$6,171,138,000	$6,533,113,000	$6,742,173,000	+ 5.9%	+ 3.2%
Two-year institutions					
Total current funds revenues	$5,346,938,000	$5,804,270,000	$6,355,676,000	+ 8.6%	+ 9.5%
(Per cent from tuition and fees)	(17.1%)	(18.1%)	(17.6%)		
Total current funds expenditures	$5,131,931,000	$5,598,554,000	$6,141,614,000	+ 9.1%	+ 9.7%
Educational and general expenditures	4,774,956,000	5,217,855,000	5,734,423,000	+ 9.3%	+ 9.9%
Scholarships and fellowships	160,085,000	165,130,000	140,561,000	+ 3.2%	−14.9%
Market value of endowment at end of fiscal years	$151,394,000	$158,297,000	$169,694,000	+ 4.6%	+ 7.2%
All institutions					
Total current funds revenues	$39,958,757,000	$43,715,563,000	$47,125,377,000	+ 9.4%	+ 7.8%
(Per cent from tuition and fees)	(20.6%)	(20.8%)	(21.1%)		
Total current funds expenditures	$39,150,984,000	$42,874,450,000	$45,918,536,000	+ 9.5%	+ 7.1%
Educational and general expenditures	30,838,948,000	$33,416,591,000	$36,490,917,000	+ 8.4%	+ 9.2%
Scholarships and fellowships	1,656,766,000	1,793,445,000	1,866,846,000	+ 8.2%	+ 4.1%
Market value of endowment at end of fiscal years	$15,498,809,000	$16,316,302,000	$16,968,954,000	+ 5.3%	+ 4.0%

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Tuition and Fees

134 The Increase in College Costs Since 1971
135 Tuition and Fees at Over 1,800 Colleges
144 Land Grant College Fees

The Increase in College Costs Since 1971

	Resident students								
	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
Public institutions									
Two-year	*	*	$2,024	$2,153	$2,411	$2,588	$2,707	$2,666	$3,246
Tuition and fees	*	*	251	287	301	389	389	408	389
Room and board	*	*	1,032	1,086	1,213	1,305	1,375	1,320	1,736
Other expenses	*	*	741	780	897	897	944	938	1,121
Four-year	$1,875	$1,985	$2,242	$2,400	$2,679	$2,890	$3,005	$3,054	$3,576
Tuition and fees	439	465	498	541	578	621	621	651	680
Room and board	890	945	1,042	1,116	1,272	1,371	1,450	1,436	1,791
Other expenses	546	575	702	743	829	898	934	967	1,105
Private institutions									
Two-year	$2,484	$2,540	$3,194	$3,617	$3,690	$4,009	$4,113	$4,264	$4,919
Tuition and fees	1,192	1,210	1,389	1,578	1,652	1,740	1,812	1,930	2,043
Room and board	877	910	1,159	1,303	1,239	1,410	1,422	1,461	1,780
Other expenses	415	420	646	736	799	859	879	873	1,096
Four-year	$3,171	$3,280	$3,693	$4,039	$4,391	$4,663	$4,905	$5,110	$5,733
Tuition and fees	1,652	1,725	1,942	2,080	2,240	2,329	2,476	2,647	2,923
Room and board	1,007	1,035	1,159	1,207	1,302	1,429	1,483	1,536	1,754
Other expenses	512	520	592	752	849	905	946	927	1,056
Proprietary institutions	*	*	*	$3,817	$3,822	$4,271	$4,395	$4,580	$5,280
Tuition and fees	*	*	*	1,651	1,627	1,808	1,895	2,038	2,321
Room and board	*	*	*	1,387	1,363	1,507	1,568	1,579	1,905
Other expenses	*	*	*	779	832	956	932	963	1,054

	Commuter students								
	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80
Public institutions									
Two-year	$1,526	$1,635	$1,665	$1,922	$2,058	$2,223	$2,314	$2,426	$2,506
Tuition and fees	185	200	251	287	301	387	389	408	389
Room and board	566	615	681	778	791	813	864	897	942
Other expenses	775	820	733	857	966	1,023	1,061	1,121	1,175
Four-year	$1,659	$1,760	$1,775	$2,085	$2,266	$2,448	$2,486	$2,604	$2,735
Tuition and fees	439	465	498	541	578	621	621	651	680
Room and board	494	545	625	704	716	793	780	817	850
Other expenses	726	750	652	890	972	1,034	1,085	1,136	1,205
Private institutions									
Two-year	$1,993	$2,090	$2,583	$3,287	$3,421	$3,595	$3,680	$3,922	$4,194
Tuition and fees	1,192	1,210	1,389	1,578	1,652	1,740	1,812	1,930	2,043
Room and board	382	395	647	917	850	902	874	966	1,018
Other expenses	419	485	547	792	919	953	994	1,026	1,133
Four-year	$2,599	$2,745	$3,162	$3,683	$3,950	$4,141	$4,331	$4,577	$4,977
Tuition and fees	1,652	1,725	1,942	2,080	2,240	2,329	2,476	2,647	2,923
Room and board	469	525	721	796	778	840	842	890	963
Other expenses	478	495	499	807	932	972	1,013	1,040	1,091
Proprietary institutions	*	*	*	$3,414	$3,382	$3,726	$3,914	$4,151	$4,459
Tuition and fees	*	*	*	1,651	1,627	1,808	1,895	2,038	2,321
Room and board	*	*	*	946	863	899	963	1,015	957
Other expenses	*	*	*	817	892	1,019	1,056	1,098	1,181

* Insufficient data.

SOURCE: COLLEGE SCHOLARSHIP SERVICE

Tuition and Fees at over 1,800 Colleges

Following are the tuition and fees charged at more than 1,800 colleges, universities, and other postsecondary institutions for the 1978-79 and 1979-80 academic years, including additional tuition that many institutions charge to out-of-state students. The figures were compiled by the College Scholarship Service.

A blank space indicates that an institution will have no such charge. An asterisk (*) indicates that current figures are not available.

Institutions that did not provide any information on 1979-80 tuition and fees have been omitted.

ALABAMA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Athens St C	590	590	
Auburn U, Mont	590	525	
Birmingham So C	*	2,303	
Enterprise St JC	203	203	
Gadsden St JC	240	240	
Geo C Wallace CC			
Dothan	203	240	
Selma	241	241	
Holy Name Jesus Hosp Sch of Nursing	*	650	
Jacksonville St U	500	500	
JC Calhoun St CC	*	240	
Judson C	1,600	1,810	
Lurleen B Wallace St JC	*	240	
Mobile C	*	1,700	
Patrick Henry St JC	*	240	
Samford U	1,792	2,275	96
SD Bishop St JC	*	242	
So Benedictine C	*	1,788	
Spring Hill C	2,520	3,040	
St Vincent's Hosp Sch of Nursing	*	1,100	
20th Century C	*	2,235	
U of Alabama			
Birmingham	*	770	756
U of Montevallo	*	588	210
U of North Alabama	610	610	
U of South Alabama	*	725	
Uni Elect Inst	*	2,530	

ALASKA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Alaska Business C	*	2,970	
Alaska Methodist U	*	2,520	
Anchorage CC	600	334	600
Matanuska Su CC	2,235	160	300
Sitka CC	320	320	600

ALASKA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
U of Alaska			
Anchorage	334	334	600
Fairbanks	498	498	600

ARIZONA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Ariz Auto Inst	2,246	3,350	
Arizona St U	450	550	1,550
Central Ariz C	*	168	1,872
Cochise C	*	200	1,300
Eastern Ariz C	170	170	1,440
Grand Canyon C	1,732	1,857	
Lamson Business C			
Phoenix	*	1,850	
Tucson	*	2,125	
Maricopa Tech C	*	80	1,000
Mesa CC	90	90	1,000
Navajo CC	*	1,290	
Northern Ariz U	400	500	1,360
Pima CC	120	120	930
Scottsdale CC	90	90	1,000
Sweetwater C	1,200	1,200	
Yavapai C	*	84	975

ARKANSAS

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Arkansas St U	*	460	300
Draugh Sch of Bus	*	1,500	
East Ark CC	*	286	88
Henderson St U	*	470	400
Hendrix C	*	2,147	
Miss Co CC	*	288	96
Ozark Voc-Tech Sch	*	96	
Petit Jean V-T Sch	*	96	
Southern Ark U	*	490	270
Southern Bapt C	*	1,270	
U of Arkansas			
Med Sciences	*	510	680
Pine Bluff	*	499	400

CALIFORNIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Am Ac Dram Arts W	*	2,125	
Amer Film Inst	3,250	3,250	
Amer River C	*		1,080
Armstrong C	*	1,890	
Azusa Pacific C	*	2,952	
Bakersfield C	*	20	1,540
Barstow C	*	2	1,350
Bauder C	2,820	3,020	
Bethany Bible C	1,851	1,851	
Biola C	2,530	2,766	
Bryan Sch of Court Reporting	1,260	1,920	
Butte C	45	45	1,530
Cabrillo C	*	32	1,500
Cal Baptist C	1,990	2,200	
Cal C of Arts & Crafts	2,850	3,450	
Cal C of Podiat Med	5,300	6,100	
Cal Inst of Arts	3,750	4,000	
Cal Inst of Tech	4,338	4,708	
Cal Lutheran C	3,000	3,200	
Cal Maritime Acad	600	886	645
Cal St Polytech U			
Pomona	200	200	1,800
San Luis Obispo	218	222	1,800
Cal Sch of Prof Psych			
Los Angeles	4,239	4,239	

CALIFORNIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
California St C			
Bakersfield	180	182	1,800
Dominguez Hills	190	204	1,800
San Bernardino	200	205	1,800
Stanislaus	200	204	1,800
California St U			
Chico	200	225	1,800
Fresno	200	222	1,800
Fullerton	190	220	1,800
Hayward	186	204	1,800
Humboldt	200	210	1,800
Long Beach	200	210	1,800
Los Angeles	200	210	1,800
Northridge	190	202	1,800
Sacramento	200	200	1,800
San Diego	200	205	1,800
San Francisco	200	212	1,800
San Jose	194	205	1,800
Sonoma	194	194	1,800
Cal West Sch of Law	3,330	4,025	
Cancer Fdn	*	400	
Christ C	2,290	2,355	
Citrus C	30	35	1,530
City C of San Fran	*	15	1,350
Claremont Men's C	*	4,752	
C of Alameda	*		600
C of Notre Dame	*	2,850	
C of San Mateo	*	20	1,539
C of the Canyons	*	18	1,950
C of the Redwoods	*	30	1,350
C of the Siskiyous	*	30	1,541
Columbia Broadcast	*	1,950	
Columbia JC	10	50	1,404
Condie C of Bus Tech	2,800	3,050	
Contra Costa C	15	8	1,272
Control Data Inst	3,400	3,600	
Crafton Hills C	12	20	1,290
Cypress C	*	30	1,545
Deep Springs C	4,000	4,000	
Dental Tech Inst	*	2,700	
Diablo Valley C	15	15	1,590
Dominican C	*	2,850	
Dominican Sch Phil and Theol	*	1,200	
Don Bosco Tech Inst	1,220	1,190	
Don's Beauty Sch	*	1,105	
Estelle Harman Actors Workshop	*	3,280	
Evergreen Valley C	18	18	1,680
Fashion Inst			
Los Angeles	*	2,915	25
San Francisco	*	2,915	25
Feather River C	50	50	1,380
Frederick-Charles Bty C	*	1,700	
Fuller Theol Sem	*	2,640	
Galen C of Med & Dental Assts	1,670	1,670	
Glendale CC	*		1,056
Graduate Theol Union	3,200	3,600	
Grossmont Adult Health Occup Sch	300	320	
Grossmont C	29	36	1,590
Harvey Mudd C	*	4,878	
Heald Business C	*	2,545	
Hebrew Union C			
Los Angeles	2,700	3,000	
Holy Names C	2,560	2,980	
Humphreys C	1,596	1,674	

CALIFORNIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Immac Heart C	3,034	3,290	
Imperial Valley C	14	40	1,620
Indian Valley C	25	25	1,368
Jerry Lee Bty C	*	1,260	
JF Kennedy U	*	2,022	
La Puente Vly Voc Ctr	*	125	
Lassen C	20	20	1,212
Lawton Sch of Med and Dent Assts	*	1,275	
Lincoln U	*	1,200	
Loma Linda U			
Dental assisting	*	2,700	
Dentistry	*	7,500	
Health-rltd projs	*	3,600	
Sch of med	*	7,500	
Sch of health	*	3,750	
Riverside	*	3,585	
LA Baptist C	2,285	2,590	
LA City Med Ctr	900	900	
LA Valley C	20	13	1,800
Los Medanos C	*		1,560
L Salinger Ac Fash	*	2,585	
Loyola Marymt U	3,250	3,578	
MTD Business C	*	2,240	
Merced C	20	20	984
Mills C	*	4,345	
Modesto JC	*	75	1,734
Monterey Inst of Foreign Studies	2,850	3,300	
Mt San Jacinto C	15	15	1,400
Mt St Mary's C, Chalon	2,755	3,075	
National U	*	3,030	
N Valley Occ Ctr	*	75	
Northrop U	2,430	2,655	
Orange Coast C	*	10	1,160
Orange Co Bus C	1,900	2,170	
Oxnard Beauty C	*	1,540	
Pac Christian C	2,010	2,010	
Pacific C of Med and Dent Assts	*	1,975	
Pacific Lutheran Theol Sem	*	1,415	
Pacific Travel Sch	*	2,345	
Pacific Union C	3,285	3,585	
Palo Verde C	24	24	720
Palomar C	20	30	1,254
Pasadena City C	*	10	1,620
Patten Bible C	1,365	1,580	
Pepperdine U			
Los Angeles	*	3,648	
Malibu	4,192	4,621	
Point Loma C	2,724	2,916	
Pomona C	4,500	4,950	
Porterville C	*	25	1,400
Rancho Arroyo Sch	*	4,000	
Reedley C	*	10	1,110
Saddleback CC	10	10	1,770
Saml Merritt Hosp	5,500	5,500	
San Diego City C	*	25	1,104
S Diego Mirmr C	*	4	1,224
S F C Mortu Sci	1,175	1,650	
S F Cons of Music	3,235	3,735	
S Joaquin C of Law	*	1,850	
S Joaquin Delta C	*	10	1,350
S Jose City C	20	20	1,680

CALIFORNIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Santa Monica C	*	20	1,224
Sawyer Bus C	2,115	2,115	
Scripps C	4,340	4,644	
Shasta C	50	50	1,470
Skadron C of Bus	2,920	3,075	
Skyline C	8	20	1,395
Southern Cal C	*	2,121	
Southland C of Court Reporting	*	2,525	
Southland C of Med and Dent Assts	*	2,750	
Southwestern C	*	30	1,420
St Luke's Hosp	*	2,700	
St Mary's C of Cal	3,192	3,486	
Stanford U	5,130	5,595	
Taft C	10	15	1,540
Thomas Aquinas C	2,800	3,100	
Transportation Training Corp	*	2,250	
U of California			
Berkeley	*	730	2,400
Irvine	*	711	2,400
Riverside	*	738	2,400
Santa Barbara	775	775	2,400
Santa Cruz	767	795	2,400
S of Med, S Diego	750	774	2,400
U of Laverne	*	3,485	
U of S Diego	3,300	3,650	
U of S Fran	*	3,595	
U of Santa Clara	3,216	3,543	
U of the Pacific	4,831	5,050	
U of West LA	1,900	2,000	
Valley Comm C	*	1,600	
Ventura C	*	10	1,152
Victor Valley CC	16	16	1,140
West Coast U	1,530	1,920	
West Hills CC	25	25	1,500
West Valley C	*	24	1,530
Westmont C	3,425	3,800	
Whittier C	3,592	3,912	
Winans Academy	*	1,350	

COLORADO

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Adams St C	*	628	1,338
Aims CC	250	275	90
Arapahoe CC	*	394	1,059
Aurora Beauty C	*	1,500	
Barnes Bus C	*	2,862	
Boulder Valley Area Voc-Tech Ctr	*	337	839
Colo Elec Tech C	1,485	1,485	
Col Sch of Mines	830	900	2,100
Col Women's C	*	3,840	
CC of Denver	*	401	1,207
El Paso CC	*	384	960
Mesa St C	600	635	1,375
Northeastern JC	360	306	228
Rockmont C	*	2,160	
U of Col, Denver	*	576	1,388
U of Denver	*	4,170	

CONNECTICUT

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Albertus Magnus C	2,850	3,060	
Asnuntuck CC	316	354	700
Briarwood C	2,090	2,390	
Bridgeport Hosp Sch of Nursing	*	2,215	
Bullard-Havens V-T Sch			2,000
Central Conn St C	710	710	990

CONNECTICUT—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Conn Bus Inst	*	2,465	
Connecticut C	*	4,710	
Conn S of Electr	*	2,000	
Creative Sch of Hairdressing	*	1,629	
Eastern Conn St C	*	704	900
Elm City Beauty C	*	1,925	
Fairfield U	3,305	3,575	
Greater New Haven St Tech C	*	377	755
Hartford C for Women	2,550	2,800	
Katharine Gibbs Sch	*	3,140	
Leon Inst of Hair Design	*	1,695	
Mattatuck CC	326	354	700
Middlesex CC Middletown	326	354	350
Mohegan CC	*	354	1,054
Morse Sch of Bus	*	2,160	
Natl Acad Hairstyl	*	1,925	
Natl Acad Hairdress	*	1,925	
New Haven Acad of Business	*	2,200	
Northwestern Conn CC	*	354	700
Norwalk CC	*	354	700
Norwalk St Tech C	*	367	755
Post C	2,322	2,526	
Quinnipiac C	2,800	3,200	
Southern Conn St C	680	700	1,000
St Basil's C	*	1,500	
St Francis Hosp	*	1,355	
St Mary's Hosp	*	1,400	
St Thomas Sem	1,590	1,740	200
Thames Valley St Tech C	*	377	645
Trinity C	4,556	4,856	
Tunxis CC	326	354	700
U of Hartford	3,695	3,695	
Wesleyan U	4,995	5,515	
Yale U	5,150	5,550	

DELAWARE

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
U of Delaware Winterthur	*	988	1,260

DISTRICT OF COLUMBIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Corcoran Sch of Art	2,550	2,630	
Gallaudet C	*	942	
Geo Washington U	3,150	3,350	
Howard U	*	1,765	
Mount Vernon C	2,950	3,350	
Strayer C	1,824	1,935	
Trinity C	3,225	3,475	
U of DC	169	169	1,022
Washington Hosp Ctr	1,045	1,045	

FLORIDA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Barry C	2,600	2,800	
Bauder Fashion C	*	3,080	
Bethune-Cookman C	*	2,500	
Biscayne Paramedical Inst	2,550	2,550	
Brevard CC	*	360	330
Broward CC	*	350	360

FLORIDA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Collier Co V-T Ctr	*	127	50
Daytona Beach CC	350	440	450
Edison CC	434	420	450
Florida A&M U	765	771	1,035
Florida Inst of Tech	2,524	3,000	
Florida Intl U	*	742	1,575
Fla JC, Jacksonville	390	390	390
Florida Keys CC	350	420	450
Fla Southern C	2,367	2,502	
Florida St U	700	735	1,305
Ft Lauderdale Sch of Allied Health	*	1,745	
Gulf Coast CC	360	375	375
Hillsborough CC	*	360	450
Indian River CC	*	420	448
Int'l Fine Arts C	4,785	4,785	
Jackson Mem Hosp	797	841	471
Jacksonville U	2,530	2,780	
Lake City CC	374	390	450
Lake Co Area V-T Ctr	*	50	
Lakeland Bus Inst	*	1,604	
Lakeland Gen Hosp Sch of Rad Tech	*	100	
Lindsey Hopkins Tech Ed	*	165	
Miami-Dade CC			
Downtown	444	448	480
Medical Ctr	444	448	480
North	444	448	480
South	444	448	480
North Florida JC	*	420	270
Okaloosa Walton JC	*	448	464
Palm B Atlantic C	1,450	1,550	
Palm B JC	*	450	480
Pasco-Hernando CC	326	336	312
Pinellas Beauty C	*	720	
Polk CC	350	350	450
Seminole CC	430	420	450
Southeastern C	*	1,113	
St John Vianney C Sem	975	975	
St Leo C	2,550	2,675	
St Petersburg JC	350	336	360
Clearwater	350	336	360
Tarpon Spring	350	336	360
Stenotype Inst of Jacksonville	*	1,585	
Stetson U	2,975	3,215	
Tallahassee CC	260	264	264
Tomlinson Adult Ed Ctr	*	195	
U of Central Fla	*	879	1,035
U of Florida	715	710	1,035
U of N Florida	*	742	1,575
Valencia CC	450	450	450
Warner Southern C	1,700	1,950	

GEORGIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Albany Area V-T Sch	*	120	
Albany JC	*	357	474
Andrew C	1,398	1,498	
Armstrong St C	505	505	715
Athens Area V-T Inst	*	180	
Atlanta Area Tech Sch	87	87	180
Atlanta Christian C	1,000	1,200	
Atlanta C of Art	2,300	2,600	
Augusta C	*	495	715
Bainbridge JC	*	351	474
Bauder Finishing C	*	3,080	
Berry C	2,055	2,400	
Branell Women's C	2,201	2,201	
Brown C of Court Reporting	*	2,088	
Brunswick JC	348	348	474

GEORGIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Clayton JC	*	342	474
Columbus C	495	495	714
Dalton JC	348	348	474
DeKalb CC			
Central	390	390	250
Community	*	390	250
South	390	390	250
Draughons JC of Business	1,609	1,753	
Emanuel Co JC	*	348	474
Emory U	*	4,095	
Floyd JC	*	348	468
Ga Baptist Hosp	*	1,520	
Georgia C	519	534	714
Georgia Military C	1,140	1,275	
Georgia St U	570	579	1,125
Grady Mem Hosp	935	980	
Gupton-Jones C of Mortuary Sci	*	1,635	
Kennesaw JC	348	465	714
La Grange C	1,890	1,890	
Life Chiroprac C	*	2,100	
Macon JC	*	348	474
Mercer U, Atlanta	2,050	2,250	
Southern Sch of Pharm	*	2,925	
Morehouse C	2,150	2,362	
No Georgia C	552	552	714
No Ga Tech & Voc Sch	125	125	400
Oglethorpe U	2,760	2,910	
Paine C	*	1,790	
Piedmont C	*	1,390	
Piedmont Hosp	*	938	
Shorter C	1,775	2,000	
South Ga Voc-Tech Sch	36	36	300
So Tech Inst	508	508	714
Spelman C	2,040	2,040	
Thomas Area V-T Sch	*	225	
Thomas Co CC	*	675	
Tift C	1,410	1,530	
Toccoa Falls C	1,672	1,862	
Troup Co Area Voc-Tech Sch	95	95	
Truett McConnell C	1,338	1,482	
Waycross JC	*	351	474
Wesleyan C	2,790	2,930	

HAWAII

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Cannon's Intnatl Business C	1,566	1,803	
Chaminade U of Honolulu	1,900	1,900	
Hawaii Loa C	1,900	2,100	
Leeward CC	*	90	820
Trendsetr Beauty C	*	1,760	
U of Hawaii, Hilo	*	110	820

IDAHO

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Aero Tech Inc	*	1,900	
Boise St U	369	454	1,200
Lewis-Clark St C	334	348	750
North Idaho JC	*	415	560
U of Idaho	440	440	1,200

ILLINOIS

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Augustana C	2,901	3,201	

ILLINOIS—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Chicago C of Commerce	2,139	2,095	
Coiffure Sch of Beauty Culture	*	900	
C of Du Page	*	576	990
Concordia Teach C	2,008	2,200	
Danville JC	*	500	
DeVry Inst of Tech	*	2,140	
Elgin CC	414	414	1,570
Elmhurst C	3,055	3,223	
Eureka C	*	3,050	
Evangelical Sch of Nursing	1,799	2,080	
Felician C	*	1,020	
Highland CC	504	504	1,312
Illinois C	2,120	2,295	
Ill Benedictine C	2,675	2,975	
Illinois Central C	*	384	1,376
Ill Valley CC	350	350	1,056
Ippolito Sch of Cosmetology	*	1,710	
Joliet JC	442	442	806
Kaskaskia C	288	288	864
Kendall C	*	2,905	
Knox C	4,070	4,384	
Lake Forest C	4,270	4,500	
Lakeview Med Ctr Sch of Nursing	*	1,450	
Lewis U	2,670	2,670	
Lincoln C	2,850	3,160	
Little Comp Mary Hosp Sch of Nursing	2,257	2,257	
Lutheran Hosp Sch of Nursing	*	2,050	
MacCormac C	*	2,325	
MacMurray C	3,310	3,470	
Mallinckrodt C	1,370	1,620	
McHenry Co C	544	544	1,152
Midstate C	*	1,950	
Millikin U	3,348	3,598	
Monmouth C	3,195	3,475	
Morrison Inst of Tech	*	1,610	
National C of Ed			
Chicago	*	2,700	
Evanston	3,150	3,435	
Native American Ed Service-Antioch	3,000	3,000	
Northern Ill U	*	800	1,000
Oakton CC	425	400	1,525
Parks C of St Louis U	2,089	2,300	
Passavant Mem Area Hosp Assoc	*	1,710	
Principia C	3,738	3,966	
Ray Vogue Sch	1,985	2,225	
Riviera Sch of Beauty Culture	*	1,250	
Robert Morris C	*	2,917	
Rockford C	3,000	3,000	
Sauk Valley C	512	576	1,371
Southern Illinois U			
Edwardsville	690	690	1,038
St Anthony Hosp Sch of Nursing	*	2,540	
St Francis Hosp Sch of Nursing	2,423	2,423	
St Mary of Nazareth Hosp	2,405	3,264	
Triton C	436	510	1,046
U of Chicago	4,020	4,512	
Vandercook C of Music	*	2,330	
West Suburban Hosp Sch of Nursing	*	1,900	

INDIANA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Ancilla Domini C	790	840	
Ball St U	*	900	1,020
Butler U	2,470	3,045	
Chas Prosser Voc Ctr	*	1,500	300
Concordia Theol Sem	*	1,550	
Deaconess Hosp	*	1,503	
DePauw U	3,692	4,272	
Elkhart In of Tech	*	1,625	
Franklin C	3,230	3,480	
Goshen C	2,735	2,945	
Huntington C	*	2,875	
Ind Barber C	*	2,320	
Ind C of Bus Tech	1,800	1,920	
Ind Central U	*	2,880	
Ind Inst of Tech	2,352	2,565	
Indiana St U			
Evansville	729	760	791
Sch of Med	*	1,240	1,760
Indiana U-Purdue U			
Dental Sch	*	1,080	1,620
Fort Wayne	800	900	825
Indianapolis	576	576	744
Indiana U			
Kokomo	720	720	930
Northwest	720	726	930
Southeast	600	600	744
Manchester C	*	2,870	
Michiana C of Commerce	*	1,300	
Northern Ind Hosp Rad Tech	*	500	
Oakland City C	1,959	2,065	
Tech Training Div	2,011	2,780	
Parkview Meth Hosp	*	1,546	560
Purdue U			
North Central	800	822	960
Ravenscroft Beauty C	*	1,646	
Rose-Hulman Inst of Tech	3,000	3,210	
South Bend Med Fdn Med Tech	*	300	
SE Ind Voc Sch	*	500	
St Joseph's C	2,590	2,790	
St Mary-of-the-Woods C	2,525	2,675	
Transport Careers Inc	*	1,785	
U of Notre Dame	3,850	4,200	
Vincennes U			
Jasper	800	800	800
Vincennes	800	800	900
Wabash C	3,470	3,770	

IOWA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Adult Daytime Machine Shop	*	507	
American Inst of Business	1,611	1,764	
Aquinas In of Theol	*	2,080	
Briar Cliff C	2,100	2,437	
Buena Vista C	*	3,185	
Capri Cosmetol C	*	1,503	
Central U of Iowa	3,102	3,297	
Clinton CC	490	490	225
Coe C	3,300	3,595	
C of Osteop Med & Surg	*	4,950	2,550
Cornell C	3,800	4,040	
Des Moines Med Ctr Sch Cytotech	*	500	
Divine Word C	2,000	2,500	
Dordt C	2,340	2,590	
Drake U	3,430	3,680	

IOWA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Faith Bapt Bible C	1,530	1,720	
Finley Hosp Sch of Nursing	2,552	2,400	
Grand View C	1,935	2,270	
Iowa Central CC			
Fort Dodge	490	490	220
Webster	490	490	220
Iowa St U	*	816	1,065
Iowa Western CC			
Clarinda	*	555	255
J Edmundson Hosp Sch Nurs	*	1,289	178
Kirkwood CC	510	528	240
LaJames C Hairstyl	*	1,738	
Loras C	2,575	2,575	
Luther C	3,160	3,750	
Marshalltown CC	500	500	440
Marshalltown Comm Sch of Nursing	831	861	
Morningside C	2,910	3,200	
Muscatine CC	*	495	225
N Iowa Area CC	480	522	220
NE Iowa Area Voc-Tech.			
North	*	550	225
Northwest Iowa Voc Sch	*	497	225
Northwestern C	2,375	2,695	
Open Bible C	*	1,580	
Palmer C of Chiropractic	2,475	2,700	
Palmer JC	1,241	1,296	
Scott CC	*	450	300
Simpson C	3,180	3,605	
Sioux Empire C	2,200	2,200	
Southeastern CC			
Keokuk	*	501	210
Southwestern CC			
Creston	480	480	220
Spencer Sch of Business	1,790	1,865	
St Ambrose C	2,480	2,770	
St Luke's Medical Ctr Sch of Nursing	1,798	1,989	
Stewart Sch of Hairstyling, Davenport	*	1,593	
U of Dubuque	*	2,750	
U of Iowa	750	830	1,060
U of Northern Iowa	694	774	686
United Electronics Inst	*	2,530	
Upper Iowa U	3,100	3,130	
Vennard C	*	1,504	
Waldorf C	2,600	2,900	
Wartburg C	*	3,230	
Westmar C	2,585	2,870	
William Penn C	2,980	3,310	

KANSAS

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Baker U	2,203	2,415	
Benedictine C	2,215	2,415	
Bethany C	2,035	2,193	
Bethel C	2,250	2,458	
Butler County CJC	400	400	730
Central C, McPherson	2,200	2,550	
Cntl Kan V-T Sch	*	142	1,050
Colby CC	420	460	1,050
Dodge City CJC	385	445	680
Emporia St U	528	540	600
Friends U	2,300	2,500	
Garden City CJC	360	360	1,000
Kansas City CJC	360	360	700
Kansas Newman C	*	2,190	

KANSAS—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Kansas St U	700	700	990
Labette CJC	330	330	760
Marymount C	1,900	2,140	
McPherson C	2,385	2,600	
Mid-America Nazarene C	1,704	1,751	
Neosho Co CJC	*	120	480
NW Kan Area V-T	*	275	
Ottawa U	2,695	2,616	
Pratt CJC	*	430	680
Southwestern C	2,075	2,255	
St John's C	1,430	1,640	
St Mary of the Pl C	2,000	2,200	
Sterling C	2,275	2,435	
Stormont-Vail Sch of Nursing	*	828	
Tabor C	2,400	2,520	
U of Kansas	690	720	990
Wichita Area V-T Sch	*	152	1,360

KENTUCKY

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Alice Lloyd C	*	2,030	
Appalachian Reg Hosp Anesth Nursing	*	450	
Asbury C	*	2,682	
Bowling Green Business C	2,700	2,700	
Brescia C	*	1,800	
Centre C of Ky	3,500	3,800	
Cumberland C	1,450	1,649	
Draughons Bus C	*	1,685	
Eastern Ky U	*	500	770
Elizabethtown CC	*	390	610
Fugazzi Bus C	1,584	1,584	
Harlan St Voc-Tech Sch	*	49	440
Hazard CC	390	390	610
Ky Business C	*	1,429	
Kentucky St U	*	500	770
Ky Wesleyan C	*	2,350	
Lees JC	1,650	1,650	
Lexington Tech Inst	550	556	1,100
Lindsey Wilson C	980	1,470	
Louisville Sch of Art	*	1,780	
Madisonville CC	390	390	610
Midway C	*	1,600	
Owensboro Bus C	2,335	2,335	
Paducah Area Voc Ed Ctr	*	49	411
Pikeville C	1,650	2,100	
Prestonburg CC	390	390	610
Sem of St Pius X	*	2,225	
So Bapt Theol Sem	450	450	
Spencerian C	1,825	2,025	
St Catherine C	975	1,300	
Sullivan Bus C	*	2,185	
Transylvania U	3,000	3,600	
U of Kentucky	*	556	1,100
U of Louisville	550	570	1,430
Union C	*	2,330	
United Elect Inst	*	2,530	
Watterson C	1,752	1,896	
Western Ky U	*	500	770
Winchester Beauty C	*	700	

LOUISIANA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Acad Sci Hair Design	*	950	
Centenary C of Louisiana	1,920	2,320	
D Jays Sch of Beauty Arts & Sci	1,295	1,500	
Dillard U	1,912	2,012	

tuition and fees

LOUISIANA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Gulf Area Voc-Tech Sch	*		270
Louisiana St U			
Baton Rouge	*	554	930
Louisiana Tech U	475	525	630
Loyola U	2,240	2,400	
McNeese St U	436	449	630
St Joseph Sem C	1,544	1,544	
St Mary's Dominican C	2,150	2,150	
Tulane U	4,046	4,546	
Newcomb C	4,046	4,546	
U Without Walls			
New Orleans	1,500	3,000	

MAINE

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Andover C	1,575	1,675	
Augusta Gen Hosp Sch Rad Tech	*	500	
Beal C	1,725	2,175	
Bowdoin C	4,680	5,185	
Colby C	4,525	4,975	
C of the Atlantic	*	3,500	
E Maine Voc-Tech Inst	415	415	350
Glen Cove Bible C	*	1,385	
Husson C	2,400	2,600	
Kennebec Valley Voc-Tech Inst	400	400	350
Maine Maritime Acad	1,400	1,580	1,085
Maine Med Ctr Sch of Rad Tech	*	500	
Mid-Maine Med Ctr Sch of Rad Tech	*	125	
Mr Bernard's Sch Hair Fashion	*	1,750	
Portland Sch of Art	2,475	2,650	
Sthn Maine V-T Inst	*	380	350
St Francis C	3,200	3,550	
St Joseph's C	*	2,510	
U of Maine			
Augusta	780	790	1,555
Fort Kent	825	825	1,580
Machias	820	915	1,580
Orono	920	1,045	1,680
Presque Isle	*	800	1,515
Unity C	3,105	3,190	

MARYLAND

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Award Beauty Sch	*	1,190	
Bowie St C	*	782	900
C of Notre Dame of Md	*	2,840	
Catonsville CC	500	475	500
Charles County CC	552	552	480
CC of Baltimore	360	360	400
Coppin St C	*	730	900
Dundalk CC	*	450	410
Essex CC	475	475	522
Frostburg St C	876	862	1,550
Hagerstown Business C	1,085	1,200	
Hagerstown JC	400	486	400
Harford CC	640	640	690
Hood C	3,270	3,655	
Howard CC	*	450	400
Johns Hopkins U	4,050	4,630	
Peabody Inst	3,700	4,280	
Loyola C	2,460	2,640	
MacQueen Gibbs Willis Sch of Nursing	*	1,250	
Md C of Art & Design	2,400	2,400	
Md Inst C of Art	3,100	3,350	
Md Med Sec Sch	*	1,200	

MARYLAND—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Montgomery CC			
Germantown	*	634	900
Rockville	660	580	660
Prince George's CC	*	422	492
Prof Inst of Commercial Art	*	2,115	
Salisbury St C	*	780	1,000
St John's C	4,250	4,750	
St Mary's C of Maryland	750	750	900
Temple Sch of Md	*	2,850	
U of Baltimore Law Sch	1,400	1,350	1,006
U of Maryland			
Baltimore	758	816	1,720
College Park	788	842	1,720
University C	*	891	
Villa Julie C	1,830	2,030	
Washington Bible C	1,628	1,728	
Washington C	2,856	3,306	
Wor Wic Tech CC	340	340	340

MASSACHUSETTS

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Andover Newton Theol Sch	*	2,640	
Aquinas JC, Milton	1,665	1,865	
Art Inst of Boston	1,908	2,050	
Associated Tech Inst	*	2,460	
Assumption C	2,900	3,200	
Bay Path JC	*	3,200	
Bay St JC of Bus	*	2,020	
Baystate Med Ctr Sch of Nursing	*	1,807	
Bentley C	*	3,025	
Berklee C of Music	2,580	2,750	
Blue Hills Regional Tech Inst	400	520	
Boston C	3,845	4,070	
Boston Cons of Music	2,950	3,000	
Boston U			
C of Engr	*	4,800	
Sch of Social Work	*	4,783	
Brandeis U	4,740	5,175	
Bridgewater St C	*	710	800
Bristol CC	*	400	1,200
Bunker Hill CC	*	370	1,175
Butera Sch of Art	1,960	1,960	
Cape Cod CC	*	350	1,100
Clark U	4,550	4,841	
C of Our Lady of Elms	2,400	2,650	
C of the Holy Cross	3,875	4,200	
East Coast Aero Tech Sch	2,525	2,770	
Eastern Nazarene C	2,320	2,520	
Emerson C	*	4,111	
Essex Ag & Tech Inst	*	350	
Fisher JC	2,750	2,750	
Framingham St C	650	660	1,700
Framingham Union Hospital	865	865	
Harvard-Radcliffe C's	4,850	5,300	
Hellenic C	2,145	2,145	
Kenneth Hair Design Inst	*	1,400	
Kinyon-Campbell Bus Sch	1,800	1,800	
Kodaly Musical Training Inst	3,020	3,525	
Lawrence Mem Hosp Sch of Nursing	*	2,159	
Lesley C	3,590	3,740	
M Fazio Inst of Beauty Culture	*	1,045	

MASSACHUSETTS—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Malden Hospital Sch of Nursing	1,950	2,050	
Mansfield Beauty Sch	*	1,500	
Marian Court Sec Sch	*	1,545	
Mass Inst of Tech	4,880	5,265	
Mass Maritime Acad	675	750	
Merrimack C	2,925	3,250	
Middlesex CC	*	370	882
Montserrat Sch Visual Art	*	1,650	
Mount Holyoke C	4,250	4,620	
Mount Ida JC	*	3,060	
New England Cons of Music	*	4,325	
New England Deaconess Hosp	*	2,625	
New England Sch of Art & Design	*	2,050	
Newbury JC	2,200	2,410	
NE Broadcasting Sch	1,700	1,900	
NE Inst of Indust Tech	*	2,170	
Pine Manor C	4,000	4,000	
Quincy JC	625	625	100
Quinsigamond CC	378	378	1,475
RETS Elec Sch, Boston	*	3,470	
Roxbury CC	*	365	1,175
Salem St C	*	645	820
Salter Secretarial Sch	1,615	1,965	
Shephard Gill Sch Practical Nursing	*	1,300	
Smith C	4,745	5,150	
Springfield C	*	3,150	
Springfield Tech CC	535	374	1,175
St John's Sem C	1,300	1,500	
Swain Sch of Design	2,400	2,700	
Sylvania Tech Sch	*	3,295	
U of Massachusetts			
Amherst	*	925	1,050
Boston	630	676	1,550
Wellesley C	4,367	4,710	
Westfield St C	654	659	820
Williams C	4,560	4,980	
Worcester City Hospital	650	550	500
Worcester Poly Inst	4,153	4,520	

MICHIGAN

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Andrews U	3,171	3,475	
Bay de Noc CC	*	449	186
Calvin C	*	2,670	
Carnegie Inst of Detroit	2,600	3,000	
Ctr for Creative Studies	2,600	2,835	
Cleary C	1,515	1,605	
Concordia C	1,460	1,700	
Davenport C of Bus	1,965	2,208	
Delta C	*	546	426
Detroit Bible C	1,230	1,535	
Detroit Inst of Commerce	*	1,400	
Detroit Inst of Tech	*	1,980	
Eastern Michigan U	*	839	1,190
Flint Inst of Barbering	*	2,000	
Gogebic CC	425	450	250
Grace Bible C	1,120	1,250	
Grand Rapids Baptist C	2,080	2,290	
Grand Valley St C	*	828	1,017
Hurley Med Ctr Sch of Nursing	*	565	
Jackson Business U	*	1,525	
Kellogg CC	496	496	310
Kirtland CC	*	389	180

MICHIGAN—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Krainz Woods Acad Med Lab Tech	*	3,200	
Lake Michigan C	440	440	180
Lansing Business U	1,584	1,620	
Lansing CC	400	510	270
Lawrence Inst of Tech	1,380	1,440	
Macomb County CC			
Main	465	500	403
South	*	500	403
Mercy C of Detroit	2,140	2,360	
Mercy Hosp Sch of Nursing	*	1,655	
Merrill Palmer Inst	2,600	2,800	
Muskegon Business C	1,702	1,820	
North Central Mich C	*	465	180
Northwestern Mich C	*	1,150	150
Northwood Inst	*	2,475	
Oakland U	*	894	1,232
Olivet C	*	3,430	
Parsons Business Sch	1,513	1,565	
Pontiac Business Inst	2,020	2,210	
Sacred Heart Sem C	1,100	1,200	500
Saginaw Business Inst	1,536	2,112	
Saginaw Valley C	755	908	1,054
Sawyer Sch of Business	*	2,495	
Schoolcraft C	495	495	311
Sibyl Beauty Sch	*	1,050	
Spring Arbor C	2,650	3,000	
St Clair County CC	519	568	275
St Mary's C	*	1,600	
Suomi C	4,000	4,400	
Washtenaw CC	*	336	312
Wayne County CC	486	486	132
West Shore CC	480	570	270

MINNESOTA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Abbott Northwestern Sch of Anesth	125	150	
Anoka-Ramsey CC	500	600	500
Augsburg C	3,100	3,365	
Bemidji Area V-T Inst	*	360	900
Bemidji St U	636	646	504
Bethany Lutheran C	1,678	2,120	
Bethel C	*	2,990	
Brainerd Area Voc-Tech Inst	415	415	600
Brainerd St JC	*	600	600
C of St Benedict	2,675	3,175	
C of St Catherine	2,655	2,800	
C of St Thomas	2,600	2,800	
Concordia C, Moorhead	2,995	3,275	
Crosier Sem JC	1,300	1,360	
Dr Martin Luther C	950	1,050	
Duluth Acad of Hair Design	*	810	
Duluth Business U	*	1,840	
Eveleth Area Voc-Tech Inst	*	360	540
Faribault Area Voc-Tech Sch	360	370	540
Fergus Falls CC	552	586	576
Globe C Business	*	1,900	
Golden Valley Lutheran C	2,547	2,847	
Granite Falls Area Voc-Tech Inst	380	380	540
Gustavus Adolphus C	3,500	3,800	
Hibbing CC	550	600	600
Inver Hills CC	500	550	550
Itasca St JC	576	576	576
Lakewood St JC	*	600	600

MISSOURI—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Cox Med Ctr Burge Sch of Nurs	*	1,275	
E Central Mo JC	280	300	300
Evangel C	1,746	1,810	
Fontbonne C	2,670	2,960	
Gradwohl Sch Lab Tech	*	2,546	
Hannibal LaGrange C	*	1,800	
Harris-Stowe C	350	350	1,150
Hickey Sch	*	2,775	
Jefferson C	250	300	150
Kansas City Board Ed Prac Nursing	*	460	50
Kirksville C of Osteopath Med	*	8,000	
Lincoln U	*	425	400
Linn Technical C	*	845	
Logan C of Chiroprac	*	2,515	
Longview CC	*	336	168
Maryville C	2,649	2,849	
Mineral Area C	*	212	256
Mo Bapt C	*	1,800	
Mo Valley C	1,960	2,254	
Northeast Mo St U	310	340	450
Ozark Beauty C	*	500	
Park C	*	2,700	
Penn Valley CC	332	336	168
Pike & Lincoln Co V-T	*	850	
Ranken Tech Inst	935	990	
Research Med Ctr	*	900	700
Rockhurst C	*	2,800	
Southeast Mo St U	300	330	500
Southwest Mo St U	400	400	500
St Charles C of Hair Styling	*	750	
St Louis C of Pharm	*	1,944	
St Louis CC Florissant Valley	544	576	832
St Mary's C of O'Fallon	*	1,756	
St Mary's Sch Pract Nursing	*	2,000	
State Fair CC	*	200	130
Stephens C	3,675	3,875	
Tarkio C	2,470	2,645	
Three Rivers CC	*	340	150
Trend Intl Beaut C	*	1,000	
Trenton JC	420	420	210
U of Missouri			
Rolla	693	833	1,440
St Louis	738	785	1,440
Washington U	4,340	4,790	
Webster C	*	2,850	
Westminster C	*	3,270	
William Woods C	4,220	3,640	

MONTANA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Billings Bus C	*	1,800	
Carroll C	1,910	2,100	
C of Coiff Art	*	1,020	
C of Great Falls	*	1,970	
Dahls C of Beauty	*	825	
Dawson C	*	285	150
Great Falls Commercial C	1,800	2,200	
Great Falls Voc-Tech Ctr	*	120	600
Helena V-T Ctr	120	120	450
Miles CC	302	312	120
Montana St U	558	558	1,368
Mr Mack's Bozeman Beauty C	*	975	
U of Montana	620	620	1,368
Western Mont C	500	600	1,002

MINNESOTA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Macalester C	3,935	4,175	
Mankato Area V-T Inst	*	350	525
Mankato St U	625	650	500
McConnell Sch	*	2,015	
Mesabi CC	550	600	600
Midway C of Hair Design	*	1,165	
Minneapolis C of Art & Design	2,700	2,900	
Minnesota Bible C	1,050	1,245	
Moorhead Area Voc-Tech Inst	360	360	540
Moorhead St U	*	631	504
Normandale CC	500	550	550
North Mem Med Ctr X-Ray Tech	*	300	
Northwestern C of Chiropractic	2,700	3,040	
Northwestern C	*	2,550	
Oliver Thein Beauty Sch	*	875	
Red Wing Area V-T Inst	*	342	228
Ritter St Pl Beauty C	*	875	
Southwest St U	*	700	400
St Cloud Area V-T In	*	375	575
St Cloud Bus C	*	1,765	
St Cloud St U	627	633	504
St John's U	2,860	3,235	
St Mary's C	2,835	3,005	
St Mary's JC	*	2,304	
St Olaf C	*	3,595	
Thief River Falls Area Voc-Tech	368	375	525
U of Minnesota			
Duluth	1,000	1,125	1,600
Minneapolis	1,000	1,080	1,630
Morris	*	1,040	1,560
Wadena Area V-T In	360	370	540
Willmar Area Voc-Tech Inst	370	375	540
Willmar CC	530	540	540
Worthington CC	*	540	1,080

MISSISSIPPI

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Chris Beauty C	*	995	
Forrest Co Gen Hosp Rad Tech	*	1,000	
Jackson St U	*	620	825
Miss Gulf Coast JC			
Jackson	*	304	90
Perkinston	*	304	90
Miss Industrial C	*	1,870	
Miss U for Women	574	574	825
Natchez JC	*	950	
Northwest Miss JC	*	440	90
Southwest Miss JC	*	260	90
Tougaloo C	*	1,735	
U of Mississippi	703	707	825
U of Southn Miss	660	700	825
Utica JC	*	300	90
William Carey C	1,380	1,620	

MISSOURI

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Avila C	2,200	2,400	
Barnes Hospital Sch of Nursing	1,455	1,570	
Central Bible C	1,273	1,354	
Central Christian C of Bible	780	780	
Cent Mo St U	345	390	600
Concordia Sem	1,500	1,712	
Cottey C	*	2,000	

NEBRASKA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Archbishop Bergan Hosp Rad Tech	*	500	
Bahner's Beauty C	*	1,450	
Central Tech CC	350	367	180
Chadron St C	590	656	448
Concordia Teach C	2,290	2,456	
Creighton U	2,840	3,020	
Dentistry	*	5,300	
Law	*	3,480	
Medicine	*	5,610	
Pharmacy	*	3,040	
Dana C	*	2,770	
Doane C	2,570	2,750	
Gateway Electronics Inst	*	1,825	
Hastings C	2,580	2,800	
Lincoln Sch of Commerce	*	1,861	
Mary Lanning Mem Hosp	2,346	2,490	
Metro Tech CC			
Fort Omaha	*	523	472
South	*	523	472
Southwest	*	523	472
Nebraska C of Business	*	3,193	
Nebraska Wesleyan U	2,610	2,815	
Nebraska Western C	375	465	250
Northeast Tech CC	*	411	225
Omaha C Health Careers	*	2,275	
Paru St C	*	655	420
U of Neb			
Medical Ctr	700	770	830
Sch of Tech Agr	565	394	334
Lincoln	763	853	1,200
Omaha	700	760	1,070
Wayne St C	646	688	448
York C	*	1,670	

NEVADA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Fashion Mdse Inst	*	2,000	
Reno Bus C	*	1,600	
Sierra Nevada C	*	1,750	
U of Nevada Las Vegas	550	575	1,500
West Nevada CC	*	364	1,500

NEW HAMPSHIRE

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Castle Sec Sch	*	1,200	
Catholic Med Ctr	1,100	1,200	
Colby-Sawyer C	3,920	4,032	
Daniel Webster C	*	3,500	
Dartmouth C	4,920	5,370	
Elliot Hosp Rad T	*	300	
Franklin Pierce C	*	3,700	
Hesser C	1,690	1,890	
Keene St C	1,020	1,040	1,600
Nashua Mem Hosp Sch Rad Tech	*	350	
NH Voc-Tech C			
Claremont	520	520	825
Laconia	522	522	825
Manchester	500	500	870
Nashua	525	525	825
Notre Dame C	*	2,170	
Portsmouth Beauty Sch Hair Design	*	1,500	
Rivier C	*	2,450	
St Anselm's C	2,690	3,265	

NEW JERSEY

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Atlantic CC	574	574	800
Bergen CC	570	570	500
Brick Computer Sci Inst	*	2,015	
Brookdale CC	650	525	450
Burlington Co C	*	624	
Camden Co C	444	475	110
Centenary C	2,815	3,125	
Christ Hosp	*	925	
C of St Eliz	2,650	2,840	
Countee Acad of Hair Design	*	1,995	80
County C of Morris	525	525	620
Cumberland Co C	550	550	500
Don Bosco C	*	2,740	
Dover Bus C	2,540	2,755	
E Orange Gen Hosp	1,500	1,700	
Englewood Hosp	*	1,497	
Essex County C	*	540	500
Felician C	1,825	2,125	
First Sci. Sec and Paralegal	*	1,925	
Georgian Court C	2,200	2,408	
Health Careers Acad	2,121	2,135	
Holy Name Hosp	*	1,500	
Hudson H Ed Consortium	*	418	360
Jersey City St C	*	1,012	800
Katharine Gibbs Sch	*	3,125	
Lincoln Tech Inst	4,225	4,400	
Mercer Co CC	*	520	1,020
Mercer Medical Ctr Sch of Nursing	565	300	
Middlesex Co C	475	500	430
Montclair St C	825	845	660
Mountainside Hosp	962	1,055	
Natural Motion Inst of Hair Design	*	1,830	
New Jersey Inst of Tech	900	900	760
Northeastn Bible C	*	2,258	
Ocean Co C	*	563	500
Princeton U	5,100	5,585	
Ramapo C of NJ	900	925	750
Rutgers U			
Arts & Sci, Camden	*	1,050	760
Grad Division, Camden	*	1,280	480
Sawyer Sch of Clifton	*	2,670	
Sawyer Sch of Elizabeth	*	2,670	
Seton Hall U	*	2,705	
Somerset Co C	*	502	420
St Francis Hospital Trenton	510	730	
St Joseph's Hospital Med Tech	*	500	
Stevens Inst of T	4,025	4,325	
Stockton St C	848	848	704
Trenton St C	840	840	660
Union C	620	615	500
Union Co Tech Inst	500	500	500
Upsala C	3,020	3,500	
Westminster Choir C	3,185	3,665	
William Paterson C	860	900	330

NEW MEXICO

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
C of the Southwest	*	775	
Curry Co Beauty C	*	1,570	
Eastern New Mexico U			
Clovis	540	340	
Portales	540	600	1,450
Inst of American Ind Arts	*	32	

tuition and fees

NEW MEXICO—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
New Mexico Inst of Mining	497	549	1,212
N M Military Inst	*	569	710
N M St U	600	650	1,866
Grants	*	346	614
St John's C	4,300	4,800	
U of Albuquerque	*	1,536	
U of N M	*	600	1,200
Gallup	*	348	
Western N M U	*	370	808

NEW YORK

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Adirondack CC	714	714	650
Albany Bus C	*	2,150	
Albany C of Pharm	1,830	2,180	
Albany Med Ctr Sch of Nursing	800	800	
Alfred U	*	4,410	
Berkeley Sch, White Plains	*	2,620	
Beth Rivkah Schs	1,050	1,700	
Blake Bus Sch	1,920	2,120	
Briarcliffe Sec Sch	1,995	2,295	
Broome CC	770	775	700
C of New Rochelle			
Arts & Sciences	*	3,065	
Grad Sch	*	1,020	
Sch of Nursing	*	3,065	
Canisius C	2,850	3,150	
Cathedral C	*	2,500	
Catholic Med Ctr Sch of Nursing	1,710	1,710	
Cazenovia C	3,390	3,670	
Central City Bus Inst	1,780	1,880	
Clarkson C of Tech	3,800	4,180	
Colgate U	4,412	4,870	
C of Mt St Vincent	2,750	3,100	
C of St Rose	*	2,585	
Columbia U			
Columbia C	4,700	5,150	
Sch of Dentistry	*	4,830	
Concordia C	2,155	2,305	
Concourse Beaut Sch	*	1,685	
Cooper Union	200	300	
Cornell U			
Endowed C's	4,850	5,306	
Statutory C's	2,050	2,266	1,452
Corning CC	875	875	750
Crouse Irving Hosp	1,960	1,960	
City U of New York			
Grad Sch	*	1,081	1,425
Bernard Baruch C	*	826	1,425
Bronx CC	*	845	1,425
Brooklyn C	*	832	1,425
C of Staten Island			
St George	*	978	1,425
Sunnyside	*	828	1,425
City C	*	825	1,425
EM De Hostos CC	*	836	1,425
FH LaGuardia CC	*	836	1,425
HH Lehman C	*	826	1,425
Hunter C	*	792	1,425
John Jay C	*	814	1,425
Kingsborough CC	*	827	1,425
Manhattan CC	*	830	1,425
Medgar Evers C	*	815	1,425
N Y City CC	*	818	1,425
Queens C	*	895	1,425
Queensborough CC	*	826	1,425
York C	*	826	1,425
D Youville C	2,540	2,750	
Eastman S of Mus	*	4,723	
Eisenhower C	*	3,925	
Elmira Bus Inst	*	1,640	
Erie CC			
North	*	798	740
South	740	740	740
Five Towns C	2,100	2,350	
Flushing Hosp	*	865	
Fordham U	3,030	3,430	
Friends World C	2,750	2,950	
Fulton-Montgomery CC	820	820	750
Genesee CC	720	750	750
Glens Falls Hosp Rad Tech	*	200	
Hartwick C	3,900	4,750	
Herkimer Co CC	622	635	550
Hilbert C	1,700	1,900	
Hobart C	4,300	4,800	
Hofstra U	3,300	3,700	
Hudson Valley CC	*	843	750
Inst of Design and Construct	*	1,520	
Island Drafting Sch	1,950	1,950	
Ithaca C	*	4,225	
Jamestown CC	*	800	700
Jefferson CC	830	850	750
Jewish Theol Sem	3,060	3,060	
Katherine Gibbs Sch	2,750	3,125	
King's C	*	3,075	
Krissler Bus Inst	*	2,420	
Lab Inst of Merchandising	2,850	3,085	
Ladycliff C	2,645	2,995	
Le Moyne C	*	2,882	
LePontos Hairstyling Beauty Culture	*	1,123	
Long Island U			
Brooklyn Ctr	*	2,434	
CW Post Ctr	2,800	3,320	
Southampton Ctr	3,290	3,500	
Manhattan Sch of Music	3,060	3,060	
Maria C of Albany	1,500	1,700	
Maria Regina C	*	1,850	
Mater Dei C	*	1,600	200
Mayer Sch of Fashion Design	*	2,660	
Mercy C	1,800	1,950	
Mercy Hosp Sch of Radiography	*	450	
Mohawk Beauty Culture Sch	*	1,050	
Mohawk Valley CC	*	804	729
Monroe Bus Inst	*	2,450	
Monroe CC	800	800	750
Montefiore Hosp Sch of Radiat Tech	*	500	
Nassau CC	740	800	730
Natl Health Inst	*	3,200	
New York Chiroprac C	*	3,000	
New York Med C	*	7,788	
New York Studio Sch of Drawing	*	2,820	
Niagara Co CC	800	825	750
Nyack C	*	2,461	
Onondaga CC	790	800	750
Orange Co CC	*	815	750
Oswego Co BOCES Practic Nurs	*	1,500	
Pace U, NYC	2,820	3,050	
Paul Smith's C	2,246	2,240	
Powelson Bus Inst	2,025	2,160	
Pratt Inst	*	4,182	
Rensselaer Poly In	4,625	5,000	
Rid Lowell Sch of Bus	*	1,980	
Robt Fiance Beauty S	*	1,730	
Rochester Bus Inst	*	1,845	
Rochester Sch of Pract Nursing	*	1,290	120
Rockland CC	*	694	650
Russell Sage C	3,415	3,770	
Sarah Lawrence C	*	5,550	
Schenectady Co CC	*	765	690
Simmons Sch of Mortuary Sci	*	1,545	
Sistrs of Charity Hosp	2,560	2,560	
Skidmore C	4,650	5,030	
So Shore Bus Sch	*	2,410	
St Elizabeth Hosp Sch of Nursing	*	2,020	
St Francis C	*	2,480	
St Francis Hosp Sch of Pract Nurs	*	2,000	
St J Fisher C	3,150	3,460	
St John's U	*	2,880	
St Joseph's C	2,110	2,360	
Suffolk	*	2,360	
St Luke's Mem Hosp Sch Med Rad	*	500	
St Vincent's Med Ctr	1,425	1,425	
Suffolk County CC			
Brentwood	665	725	660
Riverhead	665	725	660
Selden	665	725	660
Sullivan Co CC	900	900	750
State U of New York			
A&T C, Cobleskill	903	902	450
A&T C, Delhi	984	949	450
A&T C, Farmngdle	*	935	425
A&T C, Morrisvle	930	950	450
Binghamton	*	870	450
Buffalo	910	910	450
C at Brockport	*	857	450
C at Buffalo	930	860	450
C at Cortland	878	857	450
C at Fredonia	857	857	450
C at Geneseo	*	865	450
C at New Paltz	*	938	450
C at Old Westby	925	925	450
C at Oneonta	924	932	450
C at Plattsburgh	*	1,000	500
C at Purchase	960	1,011	450
C of Environmental Sci & Forestry	830	900	600
C of Tech, Utica-Rome	1,017	1,017	600
Downst Med Ctr	*	985	600
Empire St C	*	776	450
Sch of Med, Stony Brook	*	3,067	1,400
Syracuse U, C of Law	*	4,700	
Tobe Coburn Sch of Fashion	*	2,685	
Tompk-Cortland CC	*	834	750
Traphagen Sch of Fashion	2,194	2,434	
Ulster Co CC	*	842	750
United Hosp Sch of Radiatn Tech	*	500	
Utica C, Syracuse U	*	3,725	
Vassar C	4,233	4,733	
VEEB Nassau Co Skills Ctr	*	2,966	
Villa Maria C of Buffalo	1,750	2,035	
Wadhams Hall	1,800	1,900	
Wagner C	*	3,540	
Wells C	4,100	4,650	
Westchester Bus In	1,965	2,205	
Westchester CC	750	750	650
Wm Smith C	4,300	4,800	
Wood Sch	2,250	2,450	
Wd of Life Bible In	*	1,374	
Yeshiva U	3,120	3,370	

NORTH CAROLINA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Appalach St U	605	620	1,720
Asheville Buncombe Tech Inst	141	141	477
Belmont Abbey C	*	2,363	
Bennett C	1,720	1,950	
Blantons Bus C	1,620	1,620	
Blue Ridge Tech	*	129	477
Brevard C	1,715	2,125	
Caldwell CC & Tech Inst	*	132	477
Cape Fear Tech	117	132	462
Carteret Tech	126	126	477
Cecils JC	*	1,769	
Cntrl Piedmont CC	*	120	477
Charlotte Mem Hosp Rad Tech	*	400	
Chowan C	1,605	1,805	150
Coastal Carolina CC	*	132	477
Craven CC	*	132	462
Davidson C	3,410	3,535	
Duke U	4,011	4,535	
Durham C	1,699	1,699	30
Durham Tech	120	160	477
E Carolina U	*	520	1,720
Greensboro C	2,230	2,250	
Guilford C	2,705	2,705	
Haywood Tech	*	126	159
Isothermal CC	*	145	449
Lees-McRae C	1,664	1,914	
Livingstone C	*	1,600	
Louisburg C	1,600	1,841	
Mars Hill C	2,360	2,580	
Martin CC	*	132	477
Meredith C	2,200	2,350	
Methodist C	1,990	2,160	
Mitchell CC	*	144	477
Montreat Anderson C	1,650	1,800	
Moses H Cone Mem Hosp Rad Tech	*	250	
Mount Olive C	1,550	1,550	
N C St U	558	580	1,712
Pamlico Tech	*	132	477
Peace C, Raleigh	1,580	1,700	
Pfeiffer C	2,220	2,470	
Pitt Tech	139	139	477
Queens C	3,000	3,175	
Richmond Tech	*	135	473
Roanoke Bible C	*	851	
Roanoke-Chowan Tech Inst	*	132	477
Rockingham CC	144	144	477
Rowan Tech	*	132	477
Sacred Heart C	1,610	2,310	
Sampson Tech	150	150	477
Sandhills CC	142	142	477
Surry CC	135	135	477
Tri-Co Tech	*	123	477
U of North Carolina			
Asheville	470	480	1,770
Chapel Hill	529	529	1,710
Charlotte	505	520	1,730
Greensboro	580	600	1,750
Wake Tech	127	127	477
Watts Hosp	647	812	
Wayne CC	135	135	477
W Piedmont CC	138	138	555
Wilson Co Tech	141	141	477
Winsalm C	*	1,580	
Winston-Sa St U	641	669	1,529

NORTH DAKOTA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bismarck JC	*	640	90
Capitol Comml C	*	1,225	
Dickinson St C	*	586	561
Jamestown C	2,490	2,800	
Mary C	*	1,698	
ND St Sch of Sci	432	534	561
N D St U	*	622	768
U of North Dakota Grand Forks	546	645	800
Valley City St C	478	578	570

OHIO

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bethesda Hosp	1,786	1,786	
Borromeo C	*	2,375	
CG Silverthorne Acad Cosmetol	*	1,050	
C W Reserve	4,080	4,450	
Sch of Nursing	4,030	4,386	
Chatfield C	*	1,065	
Cleveland St U	900	960	960
C of Steubenvle	*	2,350	
Columbus Tech	*	684	750
Cooper S of Art	*	2,500	
Cuyahoga CC			
Eastern	330	450	180
Western	330	450	180
Davis JC	1,612	1,900	
Defiance C	*	3,170	
Denison U	4,185	4,560	
Edgecliff C	2,194	2,396	
Elect Tech Inst	*	2,755	
Findlay C	3,000	3,045	
Heidelberg C	3,600	3,950	
Hocking Tech C	*	645	645
Jefferson Co Tech	315	315	105
John Carroll U	2,600	2,800	
Kettering C, Med Arts	1,586	1,650	
Lancaster Fairfield Hosp Rad Tech	*	100	
Lima Tech C	*	675	1,050
Mansfield Beauty C	*	1,600	
Mansfield Gen Hosp	*	1,100	1,050
Marietta C	3,600	4,000	
Marion Co Tech	720	720	1,050
M J Owens Tech C	*	660	600
Mount Vernon Nazarene C	1,975	2,140	
Muskingum Area Tech C	585	585	630
N Central Tech C	750	810	810
Nwest Tech C	765	765	675
Northwestern Bus C	1,270	1,395	
Ohio Diesel Tech	2,990	2,990	
Ohio Inst of Tech	*	2,185	
Pontifical C Josephinum	1,781	2,062	
Providence Hospital Sch of Nursing	*	1,632	
Rio Grande C	*	800	1,375
Shawnee St CC	*	750	165
Sinclair CC	*	516	75
Southern St CC	700	840	300
St Alexis Hosp	2,200	2,325	
Stark Tech C	*	525	600
Tiffin U	1,700	1,700	
U of Akron	840	840	960
U of Toledo	885	925	1,455
Union of Experimenting C's and U's	*	1,950	
Urbana C	*	2,345	
Ursuline C	*	2,950	
Washington Tech	465	570	90
Youngstown St U	750	795	660

OKLAHOMA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bacone C	1,310	1,430	
Beth Nazarene C	1,485	1,675	
Cameron U	*	400	600
Connors St C	324	324	496
E Cent Okla St U	412	407	562
Moore-Norman Area Voc-Tech Sch	*	261	239
NE Okla A&M C	*	314	496
N eastrn Okla St	*	400	563
Okla Baptist U	1,480	1,480	100
Okla Christian C	1,450	1,590	
Okla St U	*	526	865
Sch Tech Train	*	480	408
Oral Roberts U	1,960	2,110	
Oscar Rose JC	250	250	600
Phillips U	*	2,180	
Presbyterian Hosp Sch Rad Tech	*	167	
S Okla City JC	*	285	412
So eastern St C	430	430	632
Tulsa JC	*	235	372
U of Okla	*	538	920
U of Tulsa	1,900	2,140	
United Elect Inst	*	2,355	
Westrn Okla St C	*	335	496

OREGON

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Blue Mntn CC	375	411	120
Chemeketa CC	*	450	255
Clackamas CC	330	375	255
Concordia C	1,701	1,941	
E Oregon St C	770	780	
George Fox C	2,740	3,076	
Lane CC	*	400	132
Linn Benton CC	333	414	306
Mount Hood CC	375	390	630
Museum Art Sch	*	2,300	
Ore C of Educ	*	855	1,755
Ore Polytech	*	1,800	
Portland CC	360	405	333
Portland St U	795	890	2,132
Rogue CC	*	432	432
So Oregon St C	811	800	1,600
Umpqua CC	*	435	375
U of Portland	2,880	3,065	
Warner Pacific C	2,640	2,880	
Western Bus U	2,000	2,000	

PENNSYLVANIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Abington Mem Hosp	1,325	1,410	1,364
Albert Einstein Med Ctr	*	1,675	
Allegheny C	3,600	3,885	
Allentown Bus Sch	*	1,395	
Allentown C of St Francis de Sales	2,890	3,105	
Alvernia C	1,720	1,720	
Alvernia Sch of Pract Nursing	*	1,855	
Antioch C, Phila	*	2,550	
Antonelli Sch of Photography	*	2,520	
Armstrong Co Mem Hosp Rad Tech	*	300	
Art Inst of Phila	*	1,800	
Bloomsburg St C	955	1,040	740
Bryn Mawr C	4,925	5,325	
Bryn Mawr Hosp	920	980	
Bucknell U	4,471	5,021	
Bucks County CC	550	672	888
Butler Co CC	*	750	882

PENNSYLVANIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Cabrini C	*	3,000	
Calif St C	1,060	1,110	830
Carlow C	*	3,350	
Carnegie-Mellon U	3,725	4,130	
Cedar Crest C	3,400	3,700	
Central Pa Bus Sch	*	1,710	
Chatham C	*	3,780	
Chestnut Hill C	2,200	2,350	
Chestnut Hill Hosp	1,650	1,800	
Churchman Bus C	1,345	1,380	
Clarion St C	1,050	1,050	830
CC of Allegheny Co			
Allegheny	484	584	628
North	484	586	628
CC of Beaver Co	520	520	1,270
Delaware Valley C of Science & Agr	2,650	2,785	
Dickinson C	4,180	4,560	
Dubois Bus C	*	1,885	
Duquesne U	*	3,555	
E Stroudsburg St C	*	1,048	830
Edinboro St C	1,030	1,040	830
Elizabethtown C	*	3,500	
Erie Inst of Tech	*	1,600	
Frankford Hosp	*	2,595	
Franklin & Marshall C	4,130	4,490	
Gannon C	2,155	2,535	
Geisinger Med Ctr	*	2,600	
Geneva C	2,865	3,075	
Gwynedd Mercy C	2,450	2,650	
Hahnemann Med C, Allied Health Profs	2,500	2,500	
Harcum JC	*	2,185	
Haverford C	*	4,950	
Holy Family C	1,850	2,150	
Holy Spirit Hosp Sch Rad Tech	*	630	460
Immaculata C	2,140	2,350	
Indiana U of Pa	1,011	1,024	830
Jerrytone Sch of Beauty Culture	*	1,315	
Juniata C	3,375	3,630	
Lafayette C	4,100	4,500	
Lankenau Hosp	*	1,580	
Lebanon Valley C	3,375	3,720	
Lehigh U	4,130	4,550	
Luzerne Co CC	520	520	580
Manor JC	*	2,200	
Marywood C	*	2,465	
Mercy Hosp, Pittsbgh	*	2,100	
Mercy Hosp, Scranton	1,705	1,705	
Mercyhurst C	*	3,050	
Messiah C	2,700	2,910	
Montgomery Co CC	*	750	750
Moravian C	*	3,900	
Mount Aloysius JC	2,688	2,850	
New Castle Sch of Beauty Culture	*	1,000	
New Sch of Music	2,535	2,735	
Northampton Co Area CC	*	780	840
NE Christian JC	2,020	2,200	
Our Lady of Angels	1,950	2,250	
Peirce JC	2,100	2,260	
Pa Acad of Fine Arts	1,310	1,410	
Pa Inst of Technol	2,700	2,255	
Philadelphia C of Pharm & Science	2,440	2,815	
Philadelphia C of Textiles & Sci	2,600	2,850	
Presbyterian U of Pa Medical Ctr			
Phila	1,850	2,000	
Pittsburgh	*	400	
R Morris C	*	2,220	

PENNSYLVANIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Robert Morris C	*	2,220	
R Packer Hosp	1,720	1,770	
Rosemont C	3,233	3,441	
Ryder Tech Inst	2,350	2,350	
Sacred Heart Hosp	2,740	850	
Seton Hill C	2,600	2,750	
Shanango Valley Commerc Inst	1,645	1,645	
Shippensburg St C	*	1,047	830
Spring Garden C	2,750	2,750	
St Agnes Med Ctr	1,571	1,850	1,171
St Charles Borromeo Sem	1,870	1,865	
St Francis C	*	3,010	
St Francis Sem	2,800	1,550	
St Joseph's U	*	2,850	
St Marg Mem Hosp	1,755	1,715	
Talmudical Yeshiva of Phila	1,400	1,400	
Technician Tr Sch	*	2,550	
Temple U	1,450	1,610	1,390
Thiel C	*	3,448	
U of Pennsylvania	4,825	5,270	
U of Pittsburgh			
Bradford	*	1,470	930
Greensburg	1,185	1,295	930
U of Scranton	*	2,424	
Uniontown Beauty Acad	*	1,000	
Uniontown Hosp Sch of Nursing	*	1,639	
United Wesleyan C	*	2,150	
Ursinus C	3,350	3,650	
Villa Maria C	*	2,700	
Wheeler Sch	*	1,975	
W Boyd Career Sch	*	1,495	
York Acad of Art	1,497	1,647	

RHODE ISLAND

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Brown U	5,125	5,615	
Bryant C	2,550	2,750	
Katherine Gibbs Sch	2,750	3,100	
Newport Hosp	*	1,400	
Providence C	3,000	3,350	
RI Trade Shops Sch	2,958	3,158	
Salve Regina C	2,750	2,990	
U of Rhode Island	*	1,170	2,434

SOUTH CAROLINA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Allen U	*	1,500	
Anderson C	*	1,764	
Bapt C, Charleston	*	2,750	
Bob Jones U	*	1,441	
Chesterfield-Marlboro Tech C	375	375	
Clemson U	830	910	990
C of Charleston	550	700	900
Columbia Bible C	1,681	1,800	
Converse C	*	3,560	
Erskine C & Sem	2,670	2,980	
Greenville Tech C	*	360	225
Horry-Georgetown Tech C	300	300	300
Lander C	*	700	600
Morris C	*	1,800	
N Greenville C	1,600	1,800	
Orangeburg Calhoun Tech C	1,125	1,125	20
Piedmont Tech C	*	300	75
Presbyterian C	2,640	3,015	
Sherman C Straight Chiropractic	2,100	2,310	

S. CAROLINA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Spartanburg Meth C	*	1,800	
Tri-Co Tech C	270	280	50
Trident Tech C, N	330	440	100
U of South Carolina			
Aiken	*	630	910
Lancaster	*	630	910
Winthrop C	*	865	700
York Tech C	*	350	350

SOUTH DAKOTA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Augustana C	3,137	3,398	
Dakota St C	675	850	625
Huron C	*	2,385	
Mount Marty C	2,195	2,560	
Natl C of Bus	1,900	2,700	
Presentation C	*	2,100	
Sioux Falls C	2,475	2,700	
Sioux Valley Hosp Sch Nursing	*	2,620	
So Dakota St U	763	739	752
Stewart Sch of Hairstyling			
Aberdeen	903	1,273	
Sioux Falls	677	1,393	
U of S D	688	741	752

TENNESSEE

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Austin Peay St U	*	486	1,002
Baroness Erl Hosp	*	955	884
Carson-Newman C	1,800	2,000	100
Chattanooga St Tech	252	270	1,002
Christian Bros C	*	2,464	
Columbia St CC	252	300	1,100
Cumberland Sch of Med Tech	*	2,850	
David Lipscomb C	1,560	1,680	
Draughons C	*	1,740	
Freed-Hardeman C	1,650	1,840	
Hiwassee C	1,245	1,245	
Johnson Bible C	*	1,020	
Lambuth C	2,180	2,420	
Lincoln Mem U	1,920	1,920	
Maryville C	*	2,888	
Memphis Academy of Arts	1,550	1,750	
Memphis Sch of Commerce	*	1,260	
Memphis St U	*	478	1,002
Mid Tenn St U	*	472	1,002
Milligan C	1,815	1,970	
Motlow St CC	260	270	1,002
Nashville C Med Dent Assts	*	2,150	
Nashville St Tech	195	195	
Roane St CC	*	270	1,002
Southwestern at Memphis	*	3,650	
Steed C	*	1,525	
Tenn Sch of Beauty			
Alcoa	*	850	
Knoxville	750	800	
Tenn Tech U	495	500	1,030
Tenn Temple C	1,400	1,500	
Tenn Wesleyan C	*	1,836	
Tomlinson C	*	1,240	
Trevecca Nazarene C	2,010	2,265	
U of Tenn			
Ctr for Health Sci	742	742	900
Martin	600	549	936
U of the South	*	4,205	
Volunteer St CC	*	270	1,002

TEXAS

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Abilene Christn U	1,765	2,080	
Amarillo C	*	230	300
Angelina C	295	304	20
Arlington Bapt C	*	1,000	
Austin C	2,950	3,100	
Baylor U	2,010	2,000	
Bee Co C	200	200	120
Brazoport C	*	145	30
Cedar Valley C	*	200	100
Central Plains Hosp Rad Tech	*	50	
Concordia Luth C	*	1,500	
Control Data Inst	*	3,750	
Del Mar C	200	200	120
Exec Sec Sch	*	2,700	
Frank Phillips C	270	292	
Grayson Co C	*	170	300
Hardin-Simmons U	*	1,920	
Henderson Co JC	*	364	90
Hill JC	254	254	40
Houston Bapt U	1,690	1,715	
Howard C, Big Spring	*	250	250
Howard Payne U	*	1,670	
Jarv Christian C	2,400	2,100	
Jessie Lees Hair Design Inst	*	850	
Laredo JC	254	254	300
Laredo St U	285	285	682
Lee C	*	150	72
Midland C	*	263	20
Midwestn St U	400	400	1,080
Miss Wades Fashion Merchandising C	2,700	3,000	
Mntn View C	150	150	65
Navarro C	340	380	140
Northwood Inst of Tex	2,499	2,591	
Odessa C	260	260	55
Our Lady of the Lake U	2,045	2,210	
Prairie View A&M U	632	457	1,296
Rice U	2,615	2,820	
Schreiner C	1,465	2,260	
So Plains C	*	260	200
Southwest Tex JC	360	360	504
Southwest Tex St U	396	396	1,080
SW Adventist C	*	3,137	
Souwestrn Assemblies of God C	1,213	1,272	
Southwestern U	2,250	2,400	
St Mary's U	*	2,260	
S F Austin St U	310	325	1,080
Sul Ross St U	*	268	1,152
Texarkana CC	*	340	90
Tex A&I, Kingsville	*	350	750
Tex A&M U	*	480	1,080
Moody C	*	222	1,260
Tex Christian U	2,880	3,080	
Texas C	1,510	1,778	
Texas Eastn U	289	289	860
Tex St Tech	*	180	540
Trinity U	2,604	2,829	
U of Dallas	*	2,700	
U of Houston			
Downtown C	*	375	1,025
Victoria	240	240	860
U of Texas			
Health Sci Ctr			
Dallas	120	120	1,080
San Antonio	*	333	
Med Branch			
Allied Health	*	260	1,640
Sch Nursing	*	140	
Arlington	400	440	1,070
Austin	410	410	1,080

TEXAS—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
El Paso	320	320	936
San Antonio	485	375	1,080
Victoria C	*	150	90
West Tex St U	320	410	1,070
Wharton Co JC	*	250	100

UTAH

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Brigham Young U	*	840	
Bryman Sch	2,195	2,345	
C of Eastn Utah	*	471	495
Ron Bailie Sch of Broadcasting	2,990	2,990	
Sevier Valley Tech	*	225	
Sthn Utah St C	*	615	885
U of Utah	590	630	1,005
Uintah Basin Area Voc Ctr	*	225	
Utah St U	585	585	906
Utah Tech C, Provo	396	438	645
Weber St C	522	558	618

VERMONT

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bennington C	6,010	6,590	
Castleton St C	765	820	1,580
Champlain C	2,455	2,595	
C of St Joseph Provider	1,965	2,575	
Green Mntn C	3,450	3,865	
Middlebury C	4,988	5,588	
Sthn Vermont C	*	2,010	
Trinity C	[illegible],400	2,900	
U of Vt & St Agric C	*	1,610	2,680

VIRGINIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Alleghany Reg Hosp S of Anesthesiol	*	310	
Averett C	*	1,887	
Blue Ridge CC	303	303	700
Bluefield C	*	1,500	
Bridgewater C	2,640	2,900	
Central Va CC	300	310	705
C of Hampton Rds	2,185	2,425	
C of Wm & Mary	1,031	1,076	1,448
Dabney Lanc CC	*	304	605
Danville CC	310	310	705
Eastn Mennonite C	2,723	2,994	
Elizabeth Brant Sch of Business	*	2,100	
Emory & Henry C	2,145	2,355	
Ferrum C	2,225	2,380	
George Mason U	*	768	720
Germanna CC	*	304	704
Hampden-Sydney C	3,250	3,825	
Hollins C	4,100	4,400	
JS Reynolds CC			
Grace St	305	305	705
Parham Rd	305	305	705
James Madison U	875	900	600
Kees Business C			
Norfolk	*	1,825	
Portsmouth	*	2,425	
Liberty Bapt C	1,170	1,400	
Lynchburg C	2,800	3,100	
Mary Baldwin C	*	3,700	
Mary Wash C	820	870	845
Marymount C	2,475	2,475	
Mntn Empire CC	300	300	705
Natl Bus C	1,511	1,511	
Norfolk C	*	450	

VIRGINIA—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Norfolk Gen Hosp	1,007	1,232	
Norfolk St C	*	600	380
N Virginia CC			
Annandale	*	300	705
Loudoun	300	300	705
Manassas	300	300	705
Woodbridge	300	300	705
Old Dominion U	*	744	600
Phillips Bus C	*	1,380	
Princess Anne Bus C	*	2,120	
Randolph-Macon C	3,090	3,320	
Roanoke C	2,875	3,245	
Roanoke Mem Hosp	*	962	705
Shenandoah C and Cons of Music	2,910	3,250	
Southside Va CC			
Alberta	304	304	705
Keysville	304	304	705
Southwest Va CC	305	305	700
St Paul's C	1,974	2,072	
Thos Nelson CC	*	300	705
Tidewater CC			
Chesapeake	305	305	700
Portsmouth	305	305	700
Va Beach	305	305	700
U of Richmond	3,000	3,400	
U of Virginia			
Charlottesville	805	910	1,240
Clinch Valley C	*	680	300
Sch of Med	*	2,764	5,764
Va Highlands CC	310	310	705
Va Intermont C	*	2,445	
Va Military Inst	1,250	1,325	1,200
Va Poly Inst & St U	790	835	810
Va Union U	*	2,130	
Va Wesleyan C	2,750	2,935	
Va Western CC	300	300	705
Watsons Beauty Sch	*	1,300	
Wytheville CC	305	305	700

WASHINGTON

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bellevue CC	*	350	1,000
Big Bend CC	312	364	1,062
Central Wash U	618	618	1,365
Columbia Basin CC	*	321	882
E Wash U	618	684	1,560
Everett CC	306	306	912
Evergreen St C	618	618	1,392
Ft Steilacoom CC	*	345	840
Ft Wright C	2,450	2,750	
Gonzaga U	2,850	3,110	
Grays Harbor C	316	316	891
Green River CC	*	357	831
Highline CC	330	360	900
JM Perry Inst	1,511	1,644	
Knapp C of Bus	*	2,043	
N Seattle CC	*	327	1,008
Olympic C	*	345	1,008
Peninsula C	*	306	806
Puget Sound C of the Bible	1,125	1,419	
Shoreline CC	310	330	897
Skagit Valley C	*	345	1,008
So Seattle CC	300	330	950
U of Puget Snd	3,500	3,830	
U of Wash	687	687	1,707
Walla Walla C	3,330	3,600	
Walla Walla CC	*	306	882
Wenatchee Vly C	297	351	897
Whatcom CC	267	280	882
Whitman C	3,410	3,920	
Whitworth C	3,515	3,769	

WEST VIRGINIA

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Bethany C	*	4,140	
Bluefield St C			
Bluefield	*	352	940
Greenbriar	*	262	940
Davis & Elkins C	3,100	3,225	
Fairmont St C	*	342	940
Meredith Manor	4,897	4,897	
Salem C	2,420	2,670	
Shepherd C	*	362	940
Southern W Va CC			
Logan	*	284	940
Williamson	264	284	900
United Elect Inst	*	2,530	
W Liberty St C	325	352	940
W Va Career C			
Charleston	1,800	1,800	
Morgantown	*	2,295	
W Virginia Inst of Tech	360	370	900
W Va Northern CC	264	284	740
W Virginia U	450	500	1,000
W Va Wesleyan C	2,700	3,075	

WISCONSIN

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Alverno C	*	2,500	
Beloit C	4,260	4,585	
Blackhawk Tech Inst Janesville	*	415	1,620
Bryant & Stratton Bus C	*	2,800	
Cardinal Stritch C	2,200	2,500	
Carthage C	*	3,391	
Columbia Hosp. Milwaukee	*	1,665	
Concordia C	1,900	2,090	
Dist One Tech	375	415	550
Fox Valley Tech	375	400	1,200
Madison Bus C	1,530	1,530	
Madison Gen Hosp	*	1,420	
Marquette U	3,116	3,320	
Mercy Medical Ctr Sch of Nurs	1,050	1,330	
Mid State Tech	375	415	262
Milton C	2,530	2,750	
Milwauk Area Tech C	375	415	
Milwauk Sch of Engr	2,830	3,125	
Moraine Park Tech			
Fond du Lac	*	415	296

WISCONSIN—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
West Bend	*	415	296
Mount Mary C	2,100	2,300	
Nicolet C and Tech I	400	450	200
N Central Tech	375	415	1,000
N east Wis Tech	350	350	550
Patricia Stevens Career C	2,790	2,990	
Ripon C	*	4,116	
Southwest Wis Voc-Tech Inst	375	415	
St Joseph's Hosp Sch of Nursing	*	1,695	
St Norbert C	2,880	3,100	
St C of Beauty Culture	1,540	1,764	
U of Wisconsin			
La Crosse	780	836	1,950
Madison	*	870	2,285
Milwaukee	815	870	2,225
Oshkosh	770	810	1,950
Platteville	796	850	2,000
River Falls	795	840	1,900
Stevens Pt	790	830	1,980

WISCONSIN—Cont.

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Stout	795	810	1,900
Superior	765	830	1,990
Whitewater	*	830	1,950
Extension Ctrs	675	740	1,990
Wstrn Wis Tech	400	415	816
Wis Luth C	1,500	2,700	
Wisconsin Sch of Electron	1,970	2,615	

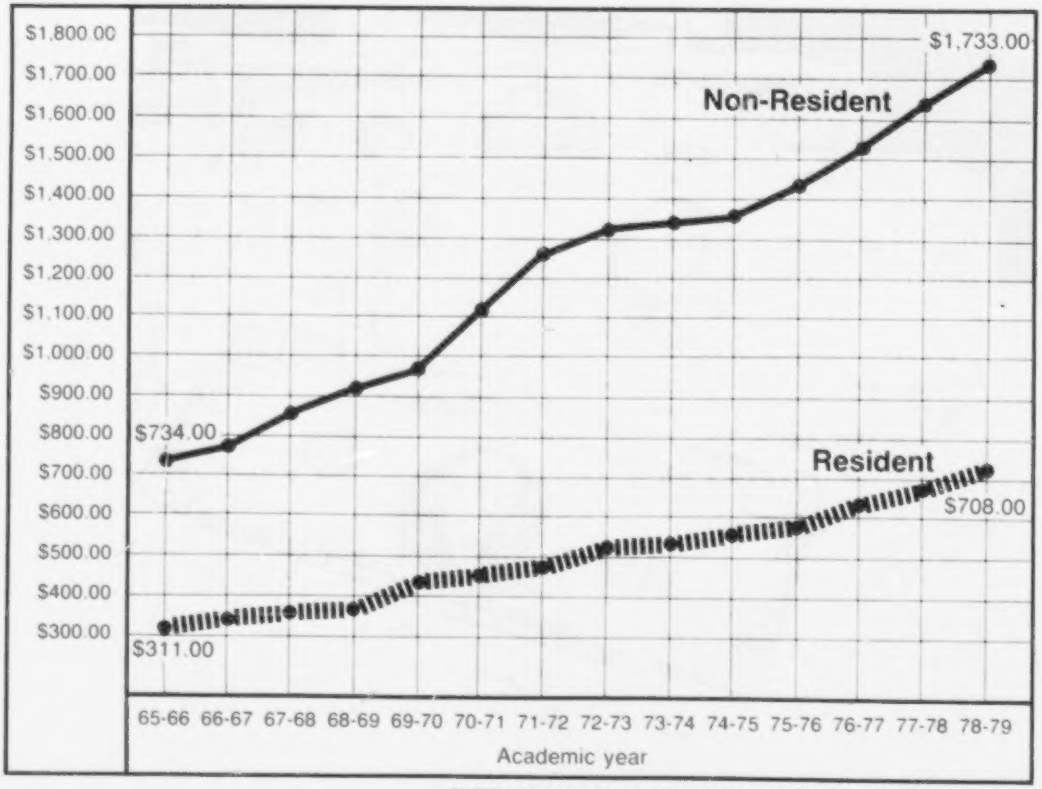
WYOMING

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Casper C	300	290	610
Laramie Co CC	260	305	300
Northwest CC	270	300	460
Sheridan C	340	340	710
U of Wyo	*	450	1,380
Wyo Tech Inst	2,990	3,190	

PUERTO RICO

	1977-8	1978-9	
	Tuition and fees	Tuition and fees	Added out-of-state tuition
Huertas Bus C	*	768	
U Politechnica	*	1,250	

Land Grant Colleges Raise Fees by 2.6 Pct.



SOURCE: NATIONAL ASSOCIATION OF STATE UNIVERSITIES AND LAND GRANT COLLEGES

Tuition rates have more than doubled in the past 13 years at state universities and land grant colleges.

State Support

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State Funds for Higher Education, 1978-79

Annual Appropriations for Operating Expenses

	Appropriations 1978-79 (add 000)	2-year change
ALABAMA		
U of Alabama		
Birmingham	$ 59,971	+62%
Tuscaloosa	38,953	+30%
Huntsville	10,402	+42%
Auburn U	59,783	+37%
U of S Alabama	22,297	+48%
Jacksonville St U	11,075	+52%
Alabama A&M U	8,350	+35%
Troy St U	7,937	+43%
Alabama St U	7,368	+36%
U of N Alabama	7,018	+46%
U of Montevallo	5,369	+25%
Livingston U	3,230	+35%
Athens St C	1,500	+50%
Jr colleges	40,000	+38%
Voc-tech schs	32,976	+50%
Aid to pvt insts	2,485	n/c
Student aid	5,101	n/c
Other approps*	50,516	n/c
Total	**$ 374,332**	+**39**%
ALASKA		
U of Alaska		
Fairbanks	$ 21,932	n/c
Anchorage	11,018	n/c
Juneau	3,382	n/c
Comm colleges	16,887	n/c
Other approps	18,523	n/c
Total	**$ 71,742**	+**11**%
ARIZONA		
U of Arizona	$ 96,433	n/c
Arizona St U	59,136	n/c
Northern Arizona U	21,303	n/c
Comm colleges	31,243	n/c
Other approps*	10,051	n/c
Total	**$ 218,166**	+**18**%
ARKANSAS		
U of Arkansas	$ 89,478	+25%
Arkansas St U	13,965	+13%
U of Cent Arkansas	8,437	+19%
Henderson St U	5,755	+19%
ARKANSAS—Continued		
So Arkansas U	5,604	+17%
Arkansas Tech U	4,307	+19%
Comm-jr colleges	9,749	+17%
Student aid	1,272	+45%
CALIFORNIA		
U of California	$ 753,300	+15%
Cal St U & Colls	681,241	+ 7%
Hastings C of Law	4,288	+14%
Cal Maritime Acad	2,287	+10%
comm colleges	815,765	+77%
Student aid	74,431	+ 9%
Other approps	1,798	+33%
Total	**$ 2,333,110**	+**28**%
COLORADO		
U of Colorado	$ 69,918	+16%
Colorado St U	34,374	+24%
U of No Colorado	15,367	+25%
Colo Sch of Mines	7,143	+51%
Ft Lewis C	3,362	+25%
State colleges		
Metropolitan St C	8,480	+ 2%
U of So Colorado	7,705	+ 7%
Western St C	3,794	+21%
Mesa C	3,577	+ 7%
Adams St C	3,452	+ 5%
Central admin	181	+48%
state comm colls	24,693	+ 2%
dist comm colls	6,112	+21%
Occupational ed	16,304	+11%
Student aid	15,768	+ 8%
Veterans' tuition	1,275	−38%
Other approps	15,805	+28%
Total	**$ 237,310**	+**15**%
CONNECTICUT		
U of Connecticut	$ 89,446	+22%
State colleges		
Central Conn	15,295	+17%
Southern Conn	15,178	+22%
State colleges		
W Connecticut	$ 6,158	+20%
E Connecticut	4,840	+15%
State colleges	545	+76% tr
Waterbury Ctr.	566	n/c
Aid to regional comm colleges	27,047	+24%
State tech	7,707	+47%
Other approps	40,119	n/c
Total	**$ 206,901**	+**22**%
DELAWARE		
U of Delaware	$ 28,970	+12%
Del Tech and Comm Coll	12,351	+28%
DELAWARE—Continued		
Delaware St C	6,464	+22%
Delaware Inst of Med Ed and Research	850	−63%
Student aid	161	− 1%
Other approps	35	+ 0%
Total	**$ 48,831**	+**13**%
FLORIDA		
U of Florida	$ 138,519	+28%
U of South Florida	52,008	+32%
Florida St U	48,032	+21%
Florida Intl U	21,155	+36%
Florida Tech U	19,261	+31%
Florida Atlantic U	14,445	+14%
Florida A&M U	13,365	+28%
U of West Florida	11,450	+27%
U of North Florida	8,454	+27%
U of Miami Med	5,836	+36%
Comm colleges	193,304	+19%
Other approps	9,980	−13%
Total	**$ 535,809**	+**23**%
GEORGIA		
U of Georgia	$ 96,540	+28%
Medical C of Georgia	45,591	n/c
Georgia St U	37,666	+27%
Georgia Inst Tech	32,276	+29%
State colleges		
Georgia Southern C	9,507	+28%
West Georgia C	8,690	+25%
Columbus C	6,512	+44%
Valdosta St C	6,333	+35%
Fort Valley St C	4,816	+22%
Augusta C	4,569	+51%
Georgia C	4,540	+40%
Savannah St C	4,507	+30%
Georgia SW C	4,115	+24%
Albany St C	4,082	+24%
Armstrong St C	3,912	+35%
Kennesaw C	3,130	n/c
North Georgia C	2,968	+27%
State jr colleges	27,709	n/c
Local jr colleges	5,281	+ 5%
Student aid	600	+10%
Other approps	33,387	+30%
Total	**$ 346,731**	+**31**%
HAWAII		
U of Hawaii	$ 109,605	n/c
Student aid	20	+ 0%
Other approps*	18,544	−17%
Less tuition	−14,402	+ 5%
Total	**$ 113,767**	+**16**%

	Appropriations 1978-79 (add 000)	2-year change
IDAHO		
U of Idaho	$ 31,493	+23%
Boise St U	15,423	+22%
Idaho St U	15,278	+14%
Lewis-Clark St C	2,371	+27%
Jr colleges	3,465	+24%
Other approps	15,767	+22%
Total	**$ 83,797**	**+21%**
ILLINOIS		
U of Ill Urbana-Champaign	$ 140,856	+20%
Medical Center	81,511	+25%
Chicago Circle	47,065	+18%
General approps	14,196	+22%
S Illinois U	108,717	+21%
N Illinois U	48,486	+19%
Illinois St U	39,159	+20%
W Illinois U	28,765	+24%
E Illinois U	18,833	+16%
NE Illinois U	15,832	+29%
Chicago St U	14,094	+26%
Governors St U	10,974	+26%
Sangamon St U	10,862	+21%
Comm colleges	125,430	+12%
Student aid	83,452	+19%
Other approps	27,550	+10%
Total	**$ 815,782**	**+19%**
INDIANA		
Indiana U	$ 142,916	n/c
Purdue U	102,510	n/c
Ball St U	38,687	+14%
Indiana St U	$ 34,180	+13%
Indiana Voc-Tech C	15,393	+33%
Vincennes U	5,343	+ 4%
Student aid	20,241	n/c
Other approps	25,109	n/c
Total	**$ 384,377**	**+17%**
IOWA		
University of Iowa	$ 107,109	+20%
Iowa St U	77,902	+22%
U of Northern Iowa	25,754	+22%
Des Moines C of Osteopathy	1,200	+ 0%
Aid to area schools	47,100	+19%
Student aid	12,880	+29%
Other approps	780	n/c
Total	**$ 272,725**	**+21%**
KANSAS		
University of Kansas	$ 91,458	+33%
Kansas St U	50,899	n/c
Wichita St U	22,123	+19%
Emporia St U	11,641	+14%
Pittsburg St U	10,980	+22%
Fort Hays St U	9,488	+24%

	Appropriations 1978-79 (add 000)	2-year change
KENTUCKY		
U of Kentucky	$ 106,042	+29%
U of Louisville	53,158	+55%
E Kentucky U	24,410	+20%
W Kentucky U	24,161	+17%
Murray St U	18,336	+28%
Morehead St U	15,120	+19%
No Kentucky U	12,067	+50%
Kentucky St U	7,509	+30%
Other approps	12,106	n/c
Total	**$ 272,909**	**+33%**
LOUISIANA		
Louisiana St U	$ 151,550	n/c
Southern U	21,895	+21%
U of SW Louisiana	18,709	+29%
NE Louisiana U	14,055	+14%
Louisiana Tech U	13,786	+21%
Northwestern St U	10,632	+ 9%
SE Louisiana U	10,411	+20%
Nicholls St U	9,454	+24%
McNeese St U	8,674	+11%
Grambling St U	7,508	+19%
Delgado Jr C	7,264	+17%
System administration	580	+33%
Pvt colleges	1,800	+13%
Student aid	948	n/c
Other approps	1,688	n/c
Total	**$ 278,954**	**+30%**
MAINE		
U of Maine	$ 38,611	+12%
Maine Maritime Acad	1,974	+22%
Voc education*	5,976	+ 8%
New England C Osteopathic Med	250	n/c
Student aid	2,130	+122%
Other approps	25	n/c
Total	**$ 48,966**	**+15%**
MARYLAND		
U of Maryland	$ 135,515	+18%
State colleges		
Towson	14,985	+10%
Morgan	10,528	+34%
Frostburg	6,065	+11%
Salisbury	5,219	+21%
Bowie	4,806	+ 3%
Coppin	4,320	+ 2%
U of Baltimore	4,160	+39%
Saint Mary's C	2,778	+16%
Trustees	4,591	+50%
Comm colleges	47,669	+14%
Pvt colleges	6,487	+18%
Student aid	5,846	+12%
Other approps*	39,786	n/c
Total	**$ 292,755**	**+14%**

	Appropriations 1978-79 (add 000)	2-year change
MASSACHUSETTS		
U of Mass	$ 114,768	+ 6%
U of Lowell	18,183	+18%
SE Mass U	12,399	+23%
State colleges		
Boston	10,000	+ 8%
Salem	9,500	+18%
Bridgewater	8,330	+15%
Fitchburg	7,500	+12%
Worcester	6,049	+10%
Westfield	5,485	+17%
Framingham	$ 5,456	+13%
North Adams	4,039	+16%
Mass Maritime	3,230	+26%
Mass C of Art	2,720	+17%
Board of trustees	984	+23%
Comm colleges	49,905	+24%
Student aid	14,015	+13%
Other approps	770	+45%
Total	**$ 273,333**	**+13%**
MICHIGAN		
U of Michigan	$ 150,295	+21%
Michigan St U	132,638	+24%
Wayne St U	89,978	+23%
W Michigan U	42,840	+24%
E Michigan U	31,880	+25%
Central Michigan U	27,070	+25%
Ferris St C	20,014	+31%
Michigan Tech U	19,164	+29%
N Michigan U	19,089	+29%
Oakland U	18,112	+27%
Grand Valley St C's	12,143	+25%
Saginaw Valley St	6,052	+31%
Lake Superior St C	5,194	+26%
Comm colleges	120,508	+19%
Student aid	32,362	+16%
Other approps	6,639	n/c
Total	**$ 733,978**	**+24%**
MINNESOTA		
U of Minnesota	$ 194,943	+26%
State universities	69,261	+24%
Voc-tech insts	63,745	− 1%
Comm colleges	31,478	+34%
Student aid	27,524	+67%
Other approps	6,408	n/c
Total	**$ 393,359**	**+21%**
MISSISSIPPI		
U of Mississippi	$ 48,595	+32%
Mississippi St U	44,929	+50%
U of So Mississippi	22,786	+45%
Jackson St U	11,655	+44%
Delta St U	6,864	+47%
Alcorn St U	6,417	+94%
Miss Valley St U	6,030	+87%
Miss U for Women	7,329	+47%
Gulf Coast Research Lab	2,300	n/c

state support

		Appropriations 1978-79 (add 000)	2-year change
MISSISSIPPI (Continued)			
Voc education		24,309	+28%
Jr colleges		29,000	+64%
Student aid		2,434	n/c
Other approps		6,302	n/c
Total	**$**	**218,950**	**+42%**
MISSOURI			
U of Missouri	$	148,894	+17%
SW Missouri St U		18,553	+20%
Cent Missouri St U		16,261	+16%
SE Missouri St U		14,064	+30%
NE Missouri St U		10,883	+14%
NW Missouri St U		8,850	+23%
Missouri So St C		5,963	+106%
Missouri W St C		5,819	+103%
Lincoln U		5,612	n/c
Harris-Stowe C		1,775	+30%
Jr colleges		28,366	+ 9%
Student aid		7,500	+123%
Other approp*		12,296	+17%
Total	**$**	**284,836**	**+20%**
MONTANA			
Montana St U	$	20,914	+18%
U of Montana		15,270	+ 2%
E Montana C		5,764	+18%
C of Min Sci & Tech		2,999	+22%
N Montana C		2,807	+33%
W Montana C		1,745	+19%
Comm colleges		1,992	+45%
Student aid		1,455	+77%
Other approps		2,104	+100%
Total	**$**	**55,050**	**+17%**
NEBRASKA			
U of Nebraska	$	107,857	+14%
Kearney St C		6,844	+14%
Wayne St C		3,841	+11%
Chadron St C		3,787	+19%
Peru St C		2,198	+23%
System office		407	+295%
Tech comm colls		15,540	+20%
Other approps		64	n/c
Total	**$**	**140,539**	**+15%**
NEVADA			
U of Nevada			
Reno	$	24,356	+20%
Las Vegas		14,929	+20%
Comm colleges		7,603	+10%
Student aid	$	100	+33%
Other approps		3,124	+15%
Total	**$**	**50,122**	**+18%**
NEW HAMPSHIRE			
U of NH	$	17,077	+24%
Keene St C		2,376	+ 9%
Plymouth St C		2,376	+ 2%
NEW HAMPSHIRE (Continued)			
Tech colleges		4,951	+24%
Student aid		350	+41%
Other approps		412	n/c
Total	**$**	**27,542**	**+20%**
NEW JERSEY			
Rutgers, the St U	$	103,375	+27%
NJ C of Med & Dentistry		53,991	+34%
NJ Inst of Tech		13,870	+36%
State colleges			
Montclair		15,592	+58%
Paterson		14,309	+45%
Trenton		13,244	+45%
Kean		13,107	+52%
Glassboro		12,279	+46%
Jersey City		11,042	+51%
Richard Stockton		6,831	+43%
Ramapo		6,628	+52%
Edison C of NJ		710	+28%
County colleges		47,120	+39%
Pvt colleges		8,353	+39%
Student aid		42,500	+24%
Other approps		7,686	n/c
Total	**$**	**370,637**	**+35%**
NEW MEXICO			
U of New Mexico	$	54,940	n/c
New Mexico St U		32,267	+33%
E New Mexico U		10,773	+30%
NM Highlands U		5,445	+27%
NM Inst of Min & Tech		4,858	+41%
W New Mexico U		2,927	+18%
N New Mexico CC		1,999	n/c
NM Military Inst		220	+41%
Aid to jr colleges		283	−10%
Student aid		300	n/c
Other approps		446	+23%
Total	**$**	**114,458**	**+36%**
NEW YORK			
SUNY centers			
Buffalo	$	89,758	+10%
Stony Brook		86,564	+44%
Albany		46,556	+ 7%
Binghamton		30,221	+ 5%
SUNY medical ctrs		100,292	+13%
SUNY colleges			
Buffalo		24,518	+10%
Brockport		23,135	+13%
Oswego		20,689	+10%
New Paltz		17,139	+ 9%
Oneonta		16,257	+ 6%
Cortland		15,014	+11%
Geneseo		14,855	+11%
Plattsburgh		14,499	+11%
Potsdam		14,071	+11%
Fredonia		13,160	+ 8%
Purchase		12,339	+36%
NEW YORK (Continued)			
Old Westbury		6,963	+16%
Empire State		6,670	+ 7%
Utica/Rome		4,884	+51%
Statutory colleges			
Cornell U		47,763	+16%
Alfred U		2,934	+18%
Specialized colleges			
Forestry		9,802	+ 8%
Maritime		5,065	+16%
Optometry		4,288	+23%
Ag & tech colleges		54,120	+10%
University-wide progs		37,022	n/c
Less student fees and other income		−92,850	−24%
Comm colleges		158,738	+ 2%
Pvt colleges		91,566	+16%
Student aid		267,446	+28%
Other approps*		277,929	n/c
Total	**$**	**1,421,407**	**+14%**
NORTH CAROLINA			
U of NC			
Chapel Hill	$	115,967	+23%
Greensboro		20,348	+21%
Charlotte		16,789	+23%
Wilmington		7,958	+34%
Asheville		3,825	+30%
NC St U		76,460	+23%
E Carolina U		32,760	+47%
Appalachian St U		18,439	+27%
W Carolina U		13,225	+24%
NC A&T St U		12,918	+36%
NC Central U		11,174	+33%
Winst-Salem St U		5,686	+32%
Fayetteville St U		5,467	+36%
Pembroke St U	$	5,194	+40%
Elizabeth City St U		4,835	+48%
NC Sch of the Arts		2,860	+40%
General admin		26,578	+33%
Comm colleges and tech insts		139,335	+29%
Veterans' benefits		2,045	+ 2%
Total	**$**	**521,863**	**+28%**
OHIO			
Ohio St U	$	141,105	+ 8%
U of Cincinnati		59,385	+56%
Kent St U		36,369	+ 9%
U of Akron		29,294	+17%
Ohio U		28,856	+20%
Bowling Gr St U		28,554	+ 8%
Cleveland St U		25,218	+ 6%
Miami U		24,640	+13%
U of Toledo		24,792	+13%
Youngstown St U		19,700	+25%
Wright St U		18,586	+11%
Central St U		7,319	+30%
Medical C of Ohio		11,955	+15%
Wright St			

	Appropriations 1978-79 (add 000)	2-year change
OHIO (Continued)		
Medical C	5,464	+264%
NE Med C	4,101	+71%
Case Western Res U	5,960	+ 9%
C of Podiatric Med	250	n/c
Comm colleges	35,922	+23%
Tech colleges	29,194	+27%
Gen & tech colls	3,435	+28%
U branches	19,274	+16%
Other approps	45,278	+67%
Total	**$ 604,651**	**+20%**
OKLAHOMA		
U of Oklahoma	$ 58,648	+29%
Oklahoma St U	53,544	+27%
Central St U	11,956	+25%
Northeastern St U	6,734	+12%
Southwestern St U	6,499	+22%
Cameron St U	[illegible],275	+39%
Southeastern St U	4,477	+17%
E Central St U	4,147	+34%
Oklahoma C of Osteo Med	3,102	+61%
U of Sci & Arts	2,255	+29%
Langston U	2,155	+36%
NW St U	2,095	+12%
Okla Panhandle St U	1,881	+29%
Jr colleges	32,797	+42%
Other approps	1,030	n/c
Total	**$ 196,595**	**+29%**
OREGON		
U of Oregon	$ 27,283	+13%
U of Ore Health Sci Ctr	31,313	+ 4%
Oregon St U	45,028	+18%
Portland St U	19,765	+16%
So Oregon St C	6,721	+16%
Oregon C of Ed	5,557	+11%
Ore Inst of Tech	5,260	+13%
E Oregon St C	3,626	+18%
Comm colleges	43,862	+22%
Student aid	7,691	+48%
Other approps	7,894	+11%
Total	**$ 204,000**	**+15%**
PENNSYLVANIA		
Penn St U	$ 111,981	+ 5%
Temple U	71,366	+ 8%
U of Pittsburgh	63,143	+ 4%
Lincoln U	3,326	+ 5%
State-owned insts		
Indiana U of Pa	22,073	+ 9%
West Chester	18,415	+ 8%
Edinboro	15,197	+10%
Slippery Rock	14,236	+ 7%
California	13,653	+ 5%
Millersville	13,369	+ 7%

	Appropriations 1978-79 (add 000)	2-year change
PENNSYLVANIA (Continued)		
Clarion	12,725	+ 7%
Bloomsburg	12,543	+ 9%
Shippensburg	12,523	+ 8%
Kutztown	11,743	+ 7%
E Stroudsburg	9,633	9%
Mansfield	9,317	+ 4%
Cheyney	8,301	+ 6%
Lock Haven	7,417	+ 9%
Unallocated	155	−78%
Aid to Pvts,		
U of Penn	18,015	+ 2%
Thos Jefferson U	5,518	+ 1%
Drexel U	3,576	+18%
Philadelphia C of Osteo Med	3,608	+ 0%
Hahnemann Med C	3,452	+ 5%
Med C of Pa	2,006	+12%
Pa C Podiatric Med	660	+ 0%
Phila C of Art	435	+24%
Phila C of Textiles & Sci	382	+53%
Del Valley Sci & Ag	289	+56%
Pa C of Optometry	220	+ 0%
Phil C Perf Arts	$ 101	+35%
Dickinson Sch of Law	99	+ 0%
Comm colleges*	38,790	+19%
Other approps*	190,661	n/c
Total	**$ 699,128**	**+ 6%**
RHODE ISLAND		
U of Rhode Island	$ 34,408	+16%
Rhode Island C	15,680	+17%
Rhode Island Jr C	11,762	+15%
Student aid	3,208	n/c
Aid to medical ed	1,000	+43%
Other approps	283	n/c
Total	**$ 66,341**	**+18%**
SOUTH CAROLINA		
U of So Carolina	$ 70,546	n/c
Medical U of SC	53,453	n/c
Clemson U	51,262	n/c
So Carolina St C	8,700	n/c
C of Charleston	8,654	n/c
Winthrop C	7,978	n/c
The Citadel	6,840	n/c
Francis Marion C	4,383	n/c
Lander C	3,165	n/c
Bd for tech & comp ed	39,334	+40%
Pvt-coll students	9,355	+28%
Other approps	1,406	+26%
Total	**$ 265,076**	**+26%**

	Appropriations 1978-79 (add 000)	2-year change
SOUTH DAKOTA		
South Dakota St U	$ 17,397	+16%
U of South Dakota	14,588	+24%
SD Sch of Mines & Tech.	3,798	+16%
Northern St C	3,533	+18%
Black Hills St C	2,724	+13%
Dakota St C	1,656	+12%
Student aid	486	+ 7%
Other approps	1,316	+28%
Total	**$ 45,509**	**+19%**
TENNESSEE		
U of Tennessee	$ 125,877	+32%
Memphis St U	30,362	+16%
East Tenn St U	18,933	+39%
Middle Tenn St U	15,354	+23%
Tennessee Tech U	12,180	+26%
Tennessee St U	9,582	+29%
Austin Peay St U	6,797	+37%
Comm colls	27,577	+26%
Tech insts	9,979	n/c
Student aid	4,187	+200%
Other approps	19,641	+50%
Total	**$ 280,469**	**+33%**
TEXAS		
U of Texas	$ 355,429	+ 7%
Texas A&M U	115,006	+10%
U of Houston	58,959	n/c
Texas Tech U	55,424	+ 3%
North Texas St U	23,266	− 5%
East Texas St U	15,851	+ 0%
Texas Woman's U	15,796	+15%
SW Texas St U	15,758	+ 7%
Texas St Tech Inst	15,349	+18%
Texas A&I U	13,278	−11%
Lamar U	13,193	− 1%
Stephen Austin St. U.	12,221	− 7%
Tex C Osteo Med	11,186	+74%
Sam Houston St U	10,906	−13%
Pan American U	10,092	+ 8%
Texas Southern U	10,638	+ 3%
West Texas St U	7,455	−12%
Angelo St U	6,086	+15%
Midwestern St U	5,181	+10%
Texas Eastern U	3,955	+13%
Sul Ross St U	1,899	−52%
Jr colleges	216,358	+43%
Other approps	48,957	n/c
Total	**$ 1,042,243**	**+13%**
UTAH		
U of Utah	$ 59,362	+26%
Utah St U	30,159	+29%
Weber St C	15,563	+30%
Utah Tech–Salt Lake	6,046	+27%
Utah Tech–Provo	5,167	+49%
So Utah St C	4,703	+25%

Biennial Appropriations

	Appropriations 1978-79 (add 000)	2-year change
UTAH		
Snow C	2,512	+38%
Dixie C	2,474	+28%
C of Eastern Utah	1,931	+26%
Student aid	122	+21%
Other approps	4,008	n/c
Total	**$ 132,047**	**+28%**
VERMONT		
U of Vermont	$ 14,632	+22%
State colleges	7,572	+47%
Student aid	4,235	+45%
Other approps	39	n/c
Total	**$ 26,478**	**+31%**
VIRGINIA		
Virginia Polytech Inst and St U	$ 75,799	+24%
Virginia Commonwealth U	73,951	+35%
U of Virginia	70,216	n/c
Old Dominion U	18,639	+33%
C of William and Mary	14,941	+16%
Madison U	12,830	+27%
George Mason U	12,677	+36%
Norfolk St C	10,520	+14%
Radford C	7,551	+32%
Virginia St C	7,437	+14%
Va Military Inst	3,979	+33%
Longwood C	3,960	+20%
Mary Washington	3,812	+43%
Christopher Newport C	3,371	+39%
Comm colleges	86,777	+25%
Student aid	4,482	+18%
Other approps	14,855	n/c
Comm colleges	86,777	+25%
Student aid	4,482	+18%
Other approps	14,855	n/c
Total	**$ 425,797**	**+21%**
WEST VIRGINIA		
West Virginia U	$ 65,780	+17%
Marshall U	17,045	+17%
Fairmont St C	5,808	+ 8%
Fairmont St C	5,808	+ 8%

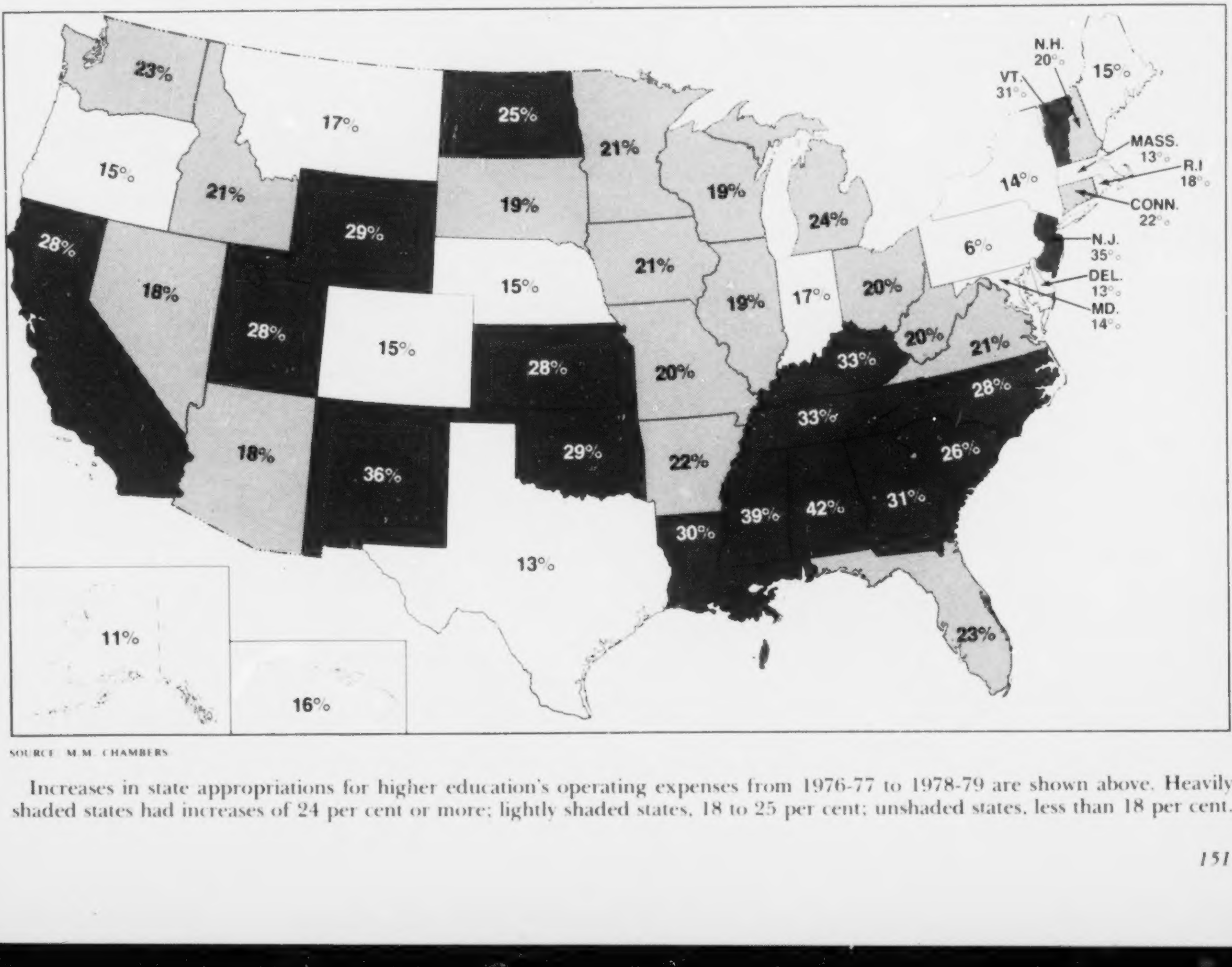
	Appropriations 1978-79 (add 000)	2-year change
WEST VIRGINIA		
West Virginia St C	5,286	+11%
W Va Inst of Tech	5,025	+13%
West Liberty St C	4,834	+10%
Shepherd C	3,634	+10%
Concord C	3,575	+11%
West Virginia Sch of Osteo Med	3,070	+86%
W Va C of Grad Studies	3,005	+16%
Glenville St C	2,938	+11%
Bluefield St C	2,418	+13%
Two-year colleges	1,753	+16%
Comm colleges	5,627	+16%
Student aid	2,500	+52%
Other approps*	15,822	n/c
Total	**$ 148,120**	**+20%**
WISCONSIN		
U of Wisconsin		
Madison	$ 133,852	+19%
Milwaukee	46,493	+17%
Oshkosh	18,990	+19%
Eau Claire	17,207	+17%
Whitewater	13,943	+21%
Stevens Point	13,883	+15%
La Crosse	13,042	+16%
Stout	12,194	+20%
Platteville	9,357	+19%
River Falls	9,212	+19%
Parkside	9,173	+15%
Green Bay	9,126	+17%
Superior	6,768	+19%
Extension	21,752	+20%
Two-year centers	12,559	+17%
Med C of Wis	4,393	+38%
Voc-tech adult ed	49,247	+28%
Other approps	32,271	+15%
Total	**$ 433,482**	**+19%**
WYOMING		
U of Wyoming	$ 33,472	+23%
Comm colleges	13,480	+46%
Other approps	91	n/c
Total	**$ 47,043**	**+29%**

	Appropriations 1977-79 (add 000)	2-year change
NORTH DAKOTA		
North Dakota St U	$ 45,046	+22%
U of North Dakota	41,476	+26%
St Sch of Science	11,435	+28%
Minot St C	8,139	+26%
Dickinson St C	4,693	+30%
Valley City St C	4,544	+24%
Mayville St C	3,510	+34%
Aid to jr colleges	3,636	+31%
Total	**$ 122,479**	**+25%**
WASHINGTON		
U of Washington	$ 210,400	+ 3%
Washington St U	113,800	+10%
W Washington U	37,000	+12%
E Washington U	32,500	+15%
Central Wash U	29,100	+ 0%
Evergreen St C	15,300	+11%
Comm colleges	236,900	+19%
Student aid	10,600	+50%
Other approps	74,900	n/c
Total	**$ 760,500**	**+23%**

n/c Not comparable
* Estimated
** Total is inconsistent with itemized figures because of rounding.

The above data were compiled by M. M. Chambers of Illinois State University

2-Year Increases in State Tax Funds for Higher Education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MD.
14%

SOURCE: M.M. CHAMBERS

Increases in state appropriations for higher education's operating expenses from 1976-77 to 1978-79 are shown above. Heavily shaded states had increases of 24 per cent or more; lightly shaded states, 18 to 25 per cent; unshaded states, less than 18 per cent.

Analysis of Appropriations

	1978-79 Appropriations (a)		Appropriations per capita (b)		Approp. per $1,000 of personal income (c)		2-year change (d)		10-year change (e)		2-year change minus inflation (f)		10-year change minus inflation (g)	
	Amount	Rank	Amount	Rank	Amount	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank
Alabama	$ 374,332,000	15	$101.44	7	$18.04	2	+39%	2	+540%	2	+23%	2	+237%	2
Alaska	71,742,000	40	176.27	1	16.64	5	+11%	49	+590%	1	– 3%	49	+263%	1
Arizona	218,166,000	29	95.02	12	14.60	12	+18%	35	+296%	12	+ 4%	35	+108%	12
Arkansas	140,319,000	35	65.45	40	11.81	27	+22%	22	+215%	31	+ 7%	22	+ 66%	31
California	2,333,110,000	1	106.55	4	13.47	17	+28%	15	+266%	22	+12%	15	+ 93%	22
Colorado	237,310,000	26	90.61	19	12.66	22	+15%	42	+236%	27	+ 1%	42	+ 77%	27
Connecticut	206,901,000	30	66.57	38	8.26	45	+22%	21	+236%	26	+ 8%	21	+ 77%	26
Delaware	48,831,000	46	83.90	22	10.91	33	+13%	48	+246%	24	– 1%	48	+ 82%	24
Florida	535,809,000	8	63.39	42	9.48	39	+23%	19	+242%	25	+ 8%	19	+ 80%	25
Georgia	346,731,000	17	68.69	37	11.42	29	+31%	8	+208%	32	+15%	8	+ 62%	32
Hawaii	113,767,000	38	127.11	2	16.80	4	+16%	39	+267%	19	+ 2%	39	+ 93%	19
Idaho	83,797,000	39	97.78	9	16.34	8	+21%	24	+307%	8	+ 7%	24	+114%	8
Illinois	815,782,000	4	72.55	30	9.34	42	+19%	32	+171%	42	+ 5%	32	+ 43%	42
Indiana	384,376,000	13	72.12	32	10.42	37	+17%	38	+166%	44	+ 3%	38	+ 40%	44
Iowa	272,725,000	24	94.73	13	13.77	15	+21%	25	+218%	30	+ 7%	25	+ 67%	30
Kansas	222,216,000	27	95.54	11	13.39	19	+28%	14	+222%	29	+13%	14	+ 69%	29
Kentucky	272,909,000	23	78.92	29	13.27	21	+33%	6	+231%	28	+17%	6	+ 75%	28
Louisiana	278,954,000	21	71.14	33	12.03	25	+30%	9	+181%	38	+14%	9	+ 48%	38
Maine	48,966,000	45	45.13	49	7.87	47	+15%	43	+145%	48	+ 1%	43	+ 29%	48
Maryland	292,755,000	18	70.73	35	9.34	41	+14%	44	+267%	20	0%	44	+ 93%	20
Massachusetts	273,333,000	22	47.27	48	6.51	48	+13%	47	+296%	13	– 1%	47	+108%	13
Michigan	733,978,000	5	80.40	25	10.55	34	+24%	18	+180%	39	+ 9%	18	+ 47%	39
Minnesota	393,359,000	12	98.96	8	13.88	13	+21%	23	+274%	17	+ 7%	23	+ 97%	17
Mississippi	218,950,000	28	91.65	18	18.22	1	+42%	1	+358%	4	+25%	1	+141%	4
Missouri	284,836,000	19	59.33	43	8.92	43	+20%	29	+153%	47	+ 6%	29	+ 33%	47
Montana	55,050,000	43	72.34	31	11.81	28	+17%	37	+125%	50	+ 3%	37	+ 19%	50
Nebraska	140,539,000	34	90.03	20	13.40	18	+15%	41	+323%	7	+ 1%	41	+123%	7
Nevada	50,112,000	44	79.17	28	9.91	38	+18%	34	+306%	9	+ 4%	34	+114%	9
New Hampshire	27,542,000	49	32.44	50	4.97	50	+20%	27	+169%	43	+ 6%	27	+ 42%	43
New Jersey	370,637,000	16	50.57	47	6.33	49	+35%	4	+290%	15	+19%	4	+105%	15
New Mexico	114,458,000	37	96.18	10	16.42	6	+36%	3	+266%	21	+19%	3	+ 93%	21
New York	1,421,407,000	2	79.30	27	10.52	35	+14%	45	+194%	37	0%	45	+ 55%	37
North Carolina	521,863,000	9	94.45	14	15.91	9	+28%	13	+355%	5	+13%	13	+140%	5
North Dakota	61,240,000	42	93.78	15	15.14	11	+25%	17	+208%	33	+10%	17	+ 62%	33
Ohio	604,651,000	7	56.50	45	7.98	46	+20%	28	+247%	23	+ 6%	28	+ 83%	23
Oklahoma	196,594,000	32	69.94	36	11.02	32	+29%	10	+272%	18	+14%	10	+ 96%	18
Oregon	204,000,000	31	85.86	21	12.25	23	+15%	40	+200%	36	+ 2%	40	+ 58%	36
Pennsylvania	699,128,000	6	59.32	44	8.46	44	+ 6%	50	+164%	46	– 7%	50	+ 39%	46
Rhode Island	66,341,000	41	70.95	34	10.48	36	+18%	36	+208%	34	+ 4%	36	+ 62%	34
South Carolina	265,076,000	25	92.17	17	16.38	7	+26%	16	+438%	3	+11%	16	+183%	3
South Dakota	45,509,000	48	66.05	39	11.09	31	+19%	33	+165%	45	+ 4%	33	+ 40%	45
Tennessee	280,469,000	20	65.24	41	11.28	30	+33%	5	+283%	16	+17%	5	+102%	16
Texas	1,042,243,000	3	81.23	24	11.94	26	+13%	46	+302%	10	0%	46	+112%	10
Utah	132,047,000	36	104.14	5	17.58	3	+28%	12	+292%	14	+13%	12	+106%	14
Vermont	26,478,000	50	54.82	46	9.41	40	+31%	7	+142%	49	+ 16%	7	+ 27%	49
Virginia	425,797,000	11	82.92	23	12.08	24	+21%	26	+298%	11	+ 7%	26	+109%	11
Washington	380,230,000	14	103.95	6	13.81	14	+23%	20	+177%	41	+ 8%	20	+ 46%	41
West Virginia	148,120,000	33	79.68	26	13.31	20	+20%	30	+202%	35	+ 5%	31	+ 59%	35
Wisconsin	433,482,000	10	93.20	16	13.53	16	+19%	31	+180%	40	+ 5%	30	+ 47%	40
Wyoming	47,043,000	47	115.87	3	15.31	10	+29%	11	+323%	6	+13%	11	+123%	6
50-State Total	**$16,964,030,000**		**$ 78.67**		**$11.22**		**+22%**		**+235%**		**+ 7%**		**+ 76%**	

(a) Reported by M. M. Chambers of Illinois State University as state tax funds appropriated for operating expenses and scholarship programs for higher education. Not included are appropriations for capital outlay or sums which clearly originated from sources other than state taxes, such as student fees. Included are appropriations for annual operating expenses even if appropriated to some other agency of the state for ultimate allocation to institutions of higher education. Pre-allocated state taxes whose proceeds are dedicated to any institution of higher education are included even though the process of periodic appropriation by the legislature may be bypassed. Also included are state tax funds appropriated for scholarships and statewide governing or coordinating boards.

(b) State appropriations divided by the U.S. Census Bureau's provisional estimates of resident population of the states for 1977.

(c) State appropriations divided by state personal income, in thousands of dollars, reported by the U.S. Commerce Department for 1977.

(d) Increase in appropriations for 1978-79 over those for 1976-77, as reported by M.M. Chambers.

(e) Increase in appropriations for 1978-79 over those for 1968-69, as reported by M.M. Chambers.

(f) Two-year increase in appropriations adjusted for inflation of 13.6 per cent during the two years ending last June, as measured by D. Kent Halstead's Higher Education Price Index of prices paid by colleges and universities for goods and services.

(g) Ten-year increase in appropriations adjusted for inflation of 89.9 per cent during the 10 years ending last June, as measured by the Higher Education Price Index.

State Scholarship Programs

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1978-79 Per cent of total	
	1976-77	1977-78	1978-79	1976-77	1977-78	1978-79	1976-77	1977-78	1978-79	Awards	Money
Alabama											
Student assistance	2,641	2,453	7,238	$470	$546	$2,171	$178	$223	$300	0.58%	0.26%
Alaska											
Scholarships	189	90	95	72	141	150	381	1,567	1,579	0.01%	0.02%
Arizona											
Incentive grants	1,215	1,958	2,200	769	1,201	1,500	381	613	682	0.18%	0.18%
Arkansas											
State scholarships	1,416	2,289	3,200	246	500	747	174	218	233	0.26%	0.09%
California											
State scholarships	39,218	39,964	39,871	50,704	55,874	55,584					
College opportunity grants	12,651	15,498	17,917	15,730	19,804	24,511					
Occupational training grants	1,377	2,071	2,166	1,954	2,713	3,478					
All **California** programs	53,246	57,533	59,954	68,388	78,391	83,573	1,284	1,363	1,394	4.83%	10.08%
Colorado											
Student grants	12,500	12,000	12,000	8,521	8,245	8,286					
Incentive grants	—	1,500	2,400	—	1,526	1,670					
All **Colorado** programs	12,500	13,500	14,400	8,521	9,771	9,956	682	724	691	1.16%	1.20%
Connecticut											
State scholarships	2,702	2,734	3,292	1,928	2,022	2,560					
State supplemental grants	798	1,919	2,955	340	899	990					
Higher education grants	849	846	433	380	280	130					
Private college student contracts	3,501	4,500	5,300	2,853	3,600	4,230					
All **Connecticut** programs	8,484	9,999	11,980	5,761	6,801	7,910	679	680	660	0.96%	0.95%
Delaware											
Higher education scholarships	296	294	300	299	200	200					
Incentive grants	259	500	475	300	340	341					
All **Delaware** programs	555	794	775	599	540	541	1,079	680	698	0.06%	0.07%
District of Columbia											
Incentive grants	690	794	650	[illegible]	873	873	999	1,099	1,343	0.05%	0.11%
Florida											
Student assistance grants	7,412	7,802	9,572	6,922	8,290	9,151	934	1,063	956	0.77%	1.10%
Georgia											
Incentive scholarships	6,144	8,000	11,000	1,781	2,807	3,175	290	351	289	0.89%	0.38%
Hawaii											
Incentive grants	400	2,962	4,800	186	298	496	465	101	103	0.39%	0.06%
Idaho											
Incentive grants	558	686	800	255	360	412	457	525	515	0.06%	0.05%
Illinois											
Monetary awards	92,766	92,291	97,725	69,721	74,150	84,275	752	803	862	7.87%	10.17%
Indiana											
State scholarships	15,879	16,320	15,920	13,250	13,350	13,500					
Educational grants	4,495	5,090	5,500	2,559	3,700	4,000					
Freedom-of-choice grants	5,164	5,200	6,100	2,400	2,600	3,600					
All **Indiana** programs	25,538	26,610	27,520	18,209	19,650	21,100	713	738	767	2.21%	2.55%
Iowa											
Scholarships	1,257	1,104	1,100	670	599	661					
Tuition grants	7,930	9,676	9,700	9,219	10,631	12,180					
Vocational-technical tuition grants	940	1,097	2,000	273	295	700					
All **Iowa** programs	10,127	11,877	12,800	10,162	11,525	13,541	1,003	970	1,058	1.03%	1.63%
Kansas											
Scholarships	1,320	1,885	1,500	660	937	740					
Tuition grants	3,478	3,731	3,870	3,305	3,498	3,675					
All **Kansas** programs	4,798	5,616	5,370	3,965	4,435	4,415	826	790	822	0.43%	0.53%
Kentucky											
State grants	8,172	11,048	12,050	2,444	3,838	4,659	299	347	387	0.97%	0.56%
Louisiana											
Incentive grants	1,442	1,588	1,600	558	595	600	387	375	375	0.13%	0.07%
Maine											
Incentive scholarships	1,029	1,112	1,740	437	460	1,091					
Vocational-technical assistance	424	450	—	50	71	—					
All **Maine** programs	1,453	1,562	1,740	487	531	1,091	335	340	627	0.14%	0.13%
Maryland											
General state scholarships	3,205	4,200	4,800	1,729	2,117	2,300					
Senatorial scholarships	—	6,178	6,400	—	2,372	2,700					
All **Maryland** programs	3,205	10,378	11,200	1,729	4,489	5,000	539	433	446	0.90%	0.60%

state support

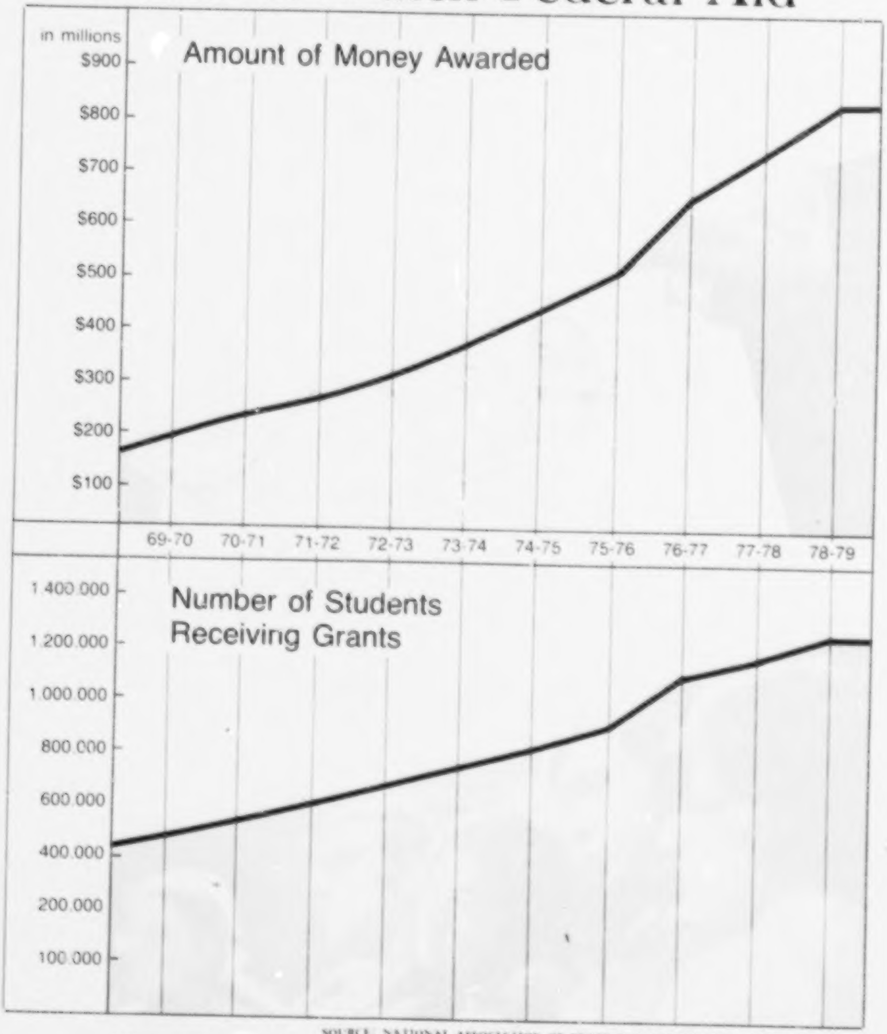
	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1978-79 Per cent of total	
	1976-77	1977-78	1978-79	1976-77	1977-78	1978-79	1976-77	1977-78	1978-79	Awards	Money
Massachusetts											
General scholarships	21.615	23.564	26.000	13.085	14.212	15.162					
Nursing scholarships	434	410	340	130	125	130					
Special education scholarships	30	36	40	10	13	15					
Consortium scholarships	253	260	250	150	150	150					
Non-degree tuition aid	118	207	220	95	99	100					
All **Massachusetts** programs	22.450	24.477	26.850	13.470	14.599	15.557	600	596	579	2.16%	1.88%
Michigan											
Competitive scholarships	17.240	18.003	18.250	13.028	14.267	15.012					
Tuition grants	11.237	12.665	12.450	11.900	13.432	13.700					
All **Michigan** programs	28.477	30.668	30.700	24.928	27.699	28.712	875	903	935	2.47%	3.46%
Minnesota											
Scholarships	6.694	9.276	10.877	5.599	7.078	9.009					
Grants	14.028	16.217	19.337	11.114	10.814	17.818					
All **Minnesota** programs	20.722	25.493	30.214	16.713	17.892	26.827	807	702	888	2.43%	3.24%
Mississippi											
Incentive grants	1.423	1.923	2.200	711	1.064	1.109	500	553	504	0.18%	0.13%
Missouri											
Student grants	10.240	15.750	26.000	4.207	6.330	8.765	411	402	337	2.09%	1.06%
Montana											
Incentive grants	656	1.320	1.200	76	330	351	116	250	293	0.10%	0.04%
Nebraska											
Incentive grants	2.150	1.591	1.600	$285	$409	$840	$133	$257	$525	0.13%	0.10%
Nevada											
Incentive grants	—	328	500	—	173	400	—	527	800	0.04%	0.05%
New Hampshire											
Incentive grants	532	800	1.000	269	372	500	506	465	500	0.08%	0.06%
New Jersey											
Tuition aid	—	—	40.593	—	—	21.423					
Garden State scholarships	—	—	3.800	—	—	1.431					
Educational opportunity grants	12.361	12.379	12.379	10.036	8.891	6.878					
State scholarships*	13.443	14.801	7.280	6.669	7.365	3.640					
Tuition aid grants*	5.106	5.048	1.571	4.387	4.403	1.243					
Public tuition aid grants*	11.853	15.222	2.175	2.025	3.028	435					
County college scholarships*	386	350	174	189	171	87					
Incentive grants*	8.112	8.176	4.616	2.391	2.617	1.311					
All **New Jersey** programs	51.261	55.976	72.588	25.697	26.475	36.448	501	473	502	5.84%	4.40%
New Mexico											
Incentive grants	200	1.450	1.500	200	546	600	1.000	377	400	0.12%	0.07%
New York											
Tuition assistance	360.000	350.000	350.000	188.000	220.000	244.300					
Regents scholarships	72.000	72.000	72.000	22.800	21.400	20.000					
All **New York** programs	432.000	422.000	422.000	210.800	241.400	264.300	488	572	626	33.96%	31.89%
North Carolina											
Incentive grants	3.055	4.457	5.100	1.571	2.570	2.741	514	577	537	0.41%	0.33%
North Dakota											
Student assistance	854	1.037	1.050	279	339	343	327	327	327	0.08%	0.04%
Ohio											
Instructional grants	54.485	52.814	55.476	25.000	23.638	25.925	459	448	467	4.46%	3.13%
Oklahoma											
Tuition aid grants	6.462	7.663	8.214	1.256	1.672	1.873	194	218	228	0.66%	0.23%
Oregon											
Need grants	6.155	9.161	13.146	2.573	3.528	5.990					
Cash awards	748	686	792	306	325	376					
All **Oregon** programs	6.903	9.847	13.938	2.879	3.853	6.366	417	391	457	1.12%	0.77%
Pennsylvania											
Higher education grants	119.833	118.636	120.000	65.050	72.308	75.500	543	609	629	9.66%	9.11%
Rhode Island											
Scholarships*	2.740	2.490	2.039	2.300	2.092	1.529					
Grants	—	—	1.000	—	—	1.069					
Scholarships	—	—	600	—	—	641					
Nurse training scholarships	121	70	99	70	40	53					
Business education teachers scholarships	30	20	30	15	10	11					
War orphans scholarships	24	24	9	3	3	2					
Need based awards	—	3.260	—	—	652	—					
All **Rhode Island** programs	2.915	5.864	3.777	2.388	2.797	3.305	819	477	875	0.30%	0.40%

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1978-79 Per cent of total	
	1976-77	1977-78	1978-79[1]	1976-77	1977-78	1978-79[1]	1976-77	1977-78	1978-79[1]	Awards	Money
South Carolina											
Tuition grants	7,516	7,758	7,900	7,716	8,907	9,994	1,027	1,148	1,265	0.64%	1.21%
South Dakota											
Incentive grants	1,214	1,300	1,400	243	236	265	200	182	189	0.11%	0.03%
Tennessee											
Student assistance awards	2,309	4,958	7,141	1,447	2,977	4,250	627	600	595	0.57%	0.51%
Texas											
Tuition equalization grants	17,527	19,900	20,298	9,000	10,461	12,731					
Public education grants	5,901	5,650	6,319	2,077	2,363	2,643					
All **Texas** programs	26,495	25,550	26,617	12,459	12,824	15,374	470	502	578	2.14%	1.85%
Utah											
Incentive grants	1,094	1,780	4,138	670	1,247	1,858	612	701	449	0.33%	0.22%
Vermont											
Incentive grants	5,216	5,438	5,600	2,568	3,199	3,855	492	588	688	0.45%	0.47%
Virginia											
Scholarship assistance	7,085	8,897	10,164	1,738	2,486	3,486	245	279	343	0.82%	0.42%
Washington											
Need grants	7,650	10,474	10,474	2,975	4,292	4,609	389	410	440	0.84%	0.56%
West Virginia											
Higher education grants	4,567	5,051	4,950	2,310	2,690	2,924	506	533	591	0.40%	0.35%
Wisconsin											
Tuition grants	8,862	9,000	8,200	6,674	7,327	8,044					
Higher education grants	20,000	25,000	30,000	11,655	12,939	13,941					
Indian student grants	1,210	1,300	1,300	952	977	1,100					
All **Wisconsin** programs	30,072	35,300	39,500	19,281	21,243	23,085	641	602	584	3.18%	2.79%
Wyoming											
Incentive grants	85	95	430	28	56	195	329	589	453	0.03%	0.02%
American Samoa											
Scholarships	100	149	177	250	293	297	2,500	1,966	1,678	0.01%	0.04%
Guam											
Professional-technical awards	70	56	56	313	231	231	4,471	4,125	4,125	0.01%	0.03%
Northern Marianas											
Grants	—	—	350	—	—	496	—	—	1,417	0.03%	0.06%
Puerto Rico											
Incentive grants	2,200	1,550	1,600	720	1,092	1,160	327	705	725	0.13%	0.14%
Trust Territory											
Scholarships and grants	718	718	1,000	560	560	505	780	780	505	0.08%	0.06%
Virgin Islands											
Territorial scholarships	351	378	393	413	473	501	1,177	1,251	1,275	0.03%	0.06%
ALL PROGRAMS	**1,104,361**	**1,161,376**	**1,242,466**	**$651,404**	**$737,004**	**$828,883**	**$590**	**$635**	**$667**	**100%**	**100%**

NOTE: Figures for 1978-79 are best estimates.

[1] Program being phased out

State Support for Students Rises to Match Federal Aid



SOURCE: NATIONAL ASSOCIATION OF STATE SCHOLARSHIP AND GRANT PROGRAMS

The growth of state's aid programs includes estimated totals for 1978-79.

How States' Aid Programs Have Grown

Year	Number of states or territories	Number of enrolled recipients	Dollars awarded, in millions
1969-70	19	470,800	$199.9
1970-71	21	535,200	236.3
1971-72	23	604,000	268.6
1972-73	29	661,700	315.5
1973-74	31	733,300	364.2
1974-75	37	813,100	440.8
1975-76	48	901,900	510.2
1976-77	53	1,104,400	656.4
1977-78	56	1,161,376	737.0
1978-79*	57	1,242,466	828.8

* Estimated.

Federal Support

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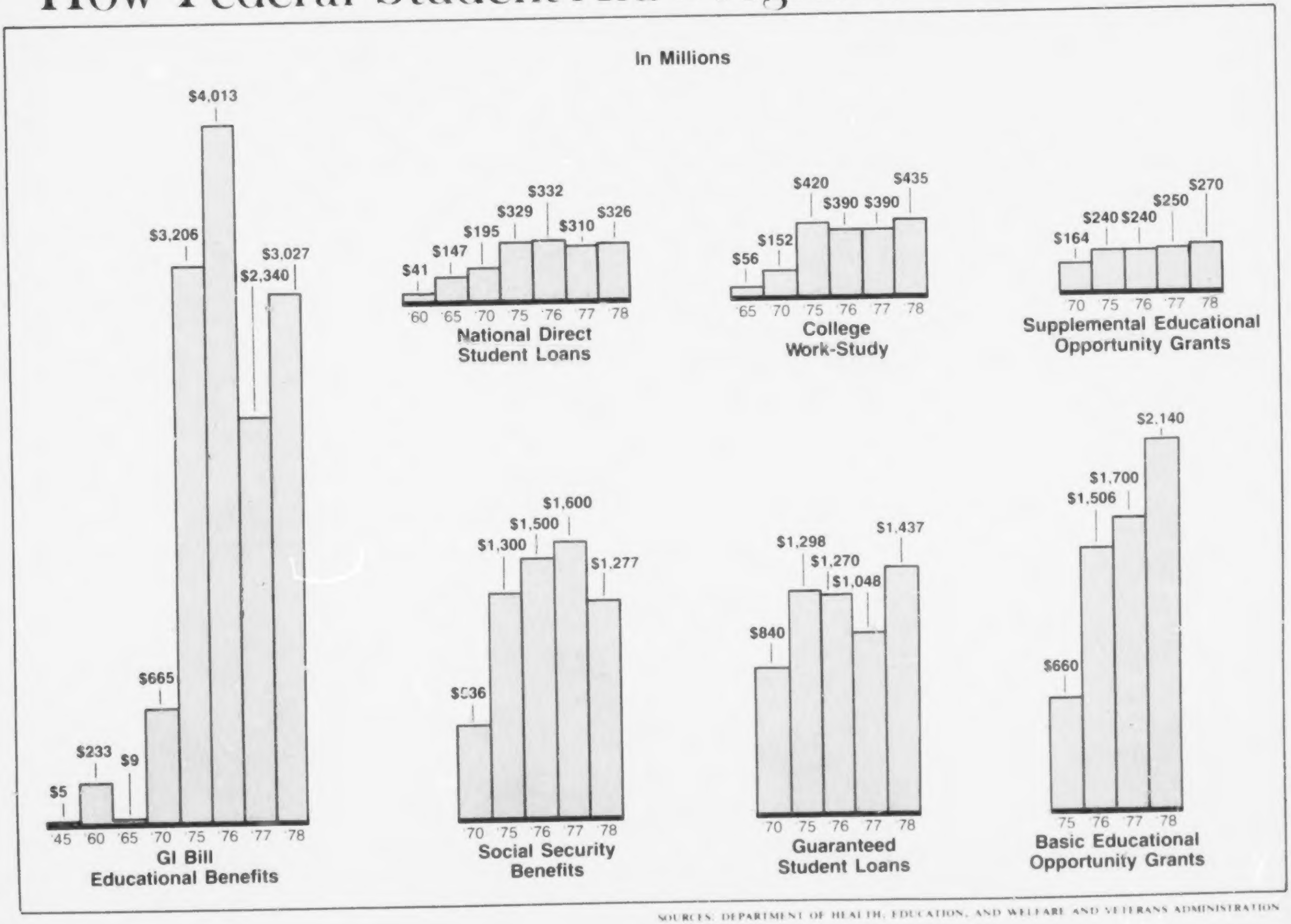
How Federal Student-Aid Programs Have Grown



SOURCES: DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE AND VETERANS ADMINISTRATION

HEW's 1980 Higher Education Budget

	Actual Fiscal 1978	Fiscal 1979 Estimated	Fiscal 1979 Supplemental	Fiscal 1980 Requested
OFFICE OF EDUCATION				
Student assistance:				
Basic opportunity grants *	$2,140,000,000	$2,600,000,000	0	$2,444,000,000
Supplemental opportunity grants	270,093,000	340,100,000	0	340,100,000
College work-study	435,000,000	550,000,000	0	550,000,000
National direct loans	325,660,000	328,900,000	0	234,800,000
State student-incentive grants	63,750,000	76,750,000	0	76,750,000
Interest on guaranteed loans	280,141,000	517,206,000	243,189,000	793,624,000
Defaults on guaranteed loans	199,522,000	184,635,000	0	165,997,000
Health professions guaranteed loans	0	2,500,000	0	0
Programs for the disadvantaged	115,000,000	140,000,000	0	130,000,000
Educational information centers	2,000,000	3,000,000	0	0
Graduate/professional opportunities	3,250,000	8,000,000	0	15,000,000
Institutional assistance:				
Developing institutions	120,000,000	120,000,000	0	120,000,000
Language training & area studies	18,000,000	20,000,000	0	22,000,000
University community services	18,000,000	16,000,000	0	0
Cooperative education	15,000,000	15,000,000	0	15,000,000
Veterans cost-of-instruction	23,750,000	19,000,000	0	14,380,000
Construction loan subsidies	4,000,000	29,000,000	0	29,000,000
College personnel development:				
Public-service fellowships	4,000,000	4,000,000	0	0
Mining fellowships	4,500,000	4,500,000	0	0
Library resources:				
College libraries	9,975,000	9,975,000	0	0
Research libraries	5,000,000	6,000,000	0	6,000,000
Training & demonstration	3,000,000	3,000,000	0	0
College instructional equipment	7,500,000	0	0	0
Education professions development:				
Teacher centers	8,250,000	12,625,000	0	13,000,000
Teacher corps	37,500,000	37,500,000	0	37,500,000
Postsecondary vocational education	275,000,000	235,000,000	0	200,000,000
Women's educational equity	8,085,000	9,000,000	0	10,000,000
Postsecondary programs for the handicapped	76,301,000	89,737,000	0	87,425,000
OTHER H.E.W. PROGRAMS				
National Institute of Education **	90,100,000	92,460,000	0	98,285,000
Fund for Improvement of Postsec. Ed.	11,999,000	13,000,000	0	14,000,000
Natl. Ctr. for Education Statistics **	12,861,000	14,820,000	0	10,893,000
Institute for Museum Services	4,010,000	7,852,000	0	10,900,000
Office for Civil Rights	41,807,000	68,227,000	0	65,092,000
Alcohol, Drug Abuse, & Mental Health Administration:				
Mental-health research grants	106,433,000	131,223,000	1,564,000	160,168,000
Mental-health training grants	80,783,000	90,400,000	2,554,000	89,354,000
Drug-abuse research grants	32,532,000	42,573,000	0	50,304,000
Drug-abuse training grants	9,569,000	10,000,000	0	8,680,000
Alcoholism research grants	15,474,000	21,976,000	0	25,078,000
Alcoholism training grants	6,890,000	7,200,000	0	5,375,000

	Actual Fiscal 1978	Fiscal 1979 Estimated	Fiscal 1979 Supplemental	Fiscal 1980 Requested
OFFICE OF EDUCATION				
Health Resources Administration:				
Health professions education	570,621,000	542,856,000	0	261,052,000
National Health Service Corps scholarships	60,000,000	75,000,000	0	79,500,000
Nursing programs ***	120,000,000	122,000,000	0	14,743,000
Institutional support ***	144,000,000	139,094,000	0	0
Construction, health teaching facilities	13,489,000	4,735,000	0	4,830,000
Health services research	14,320,000	33,513,000	0	29,295,000
National Institutes of Health:				
Cancer Institute	871,234,000	936,677,000	0	936,958,000
Heart, Lung, & Blood Institute	447,240,000	506,384,000	0	507,344,000
Institute of Dental Research	61,635,000	65,213,000	0	66,118,000
Institute of Arthritis, Metabolism, & Digestive Diseases	260,046,000	302,767,000	0	305,746,000
Institute of Neurological Disorders & Strokes	178,254,000	212,365,000	0	212,322,000
Institute of Allergy & Infectious Diseases	162,166,000	191,328,000	0	190,202,000
Institute of General Medical Sciences	230,662,000	277,628,000	0	280,378,000
Institute of Child Health & Human Development	166,255,000	190,130,000	10,713,000	204,381,000
Institute on Aging	37,253,000	56,911,000	0	56,510,000
Eye Institute	85,337,000	105,192,000	0	104,528,000
Institute of Environmental Health Sci	64,309,000	78,260,000	0	79,012,000
Research Resources	145,046,000	154,164,000	0	154,199,000
Library of Medicine	37,508,000	41,431,000	0	41,431,000
Social Security Education Benefits	1,277,000,000	1,378,000,000	0	1,509,000,000

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* The fiscal 1980 budget request includes $726-million in basic-grant appropriations from earlier years that must be reappropriated for fiscal 1980.

** The budget request for fiscal 1980 reflects the transfer of $4-million for the National Assessment of Educational Progress from the National Center for Education Statistics to the National Institute for Education.

*** The budget asks Congress to rescind $84-million of the $122-million it appropriated for nursing programs and $68-million of the $135-million appropriated for institutional support for the current fiscal year, fiscal 1979.

Higher Education Funds in Other Agencies

	Actual Fiscal 1978	Fiscal 1979 Estimated	Fiscal 1979 Supplemental	Fiscal 1980 Requested
Action:				
Peace Corps	86,234,000	95,958,000	4,400,000	105,404,000
VISTA	30,077,000	30,804,000	4,931,000	38,565,000
Land-grant colleges:				

federal support

	Actual Fiscal 1978	Fiscal 1979 Estimated	Fiscal 1979 Supplemental	Fiscal 1980 Requested
General aid to land-grant institutions	14,200,000	14,200,000	0	2,700,000
Agricultural Extension Service	269,058,000	275,399,000	0	259,227,000
Support for black land-grant colleges	13,309,000	21,470,000	0	21,470,000
Science and Education Administration *	340,132,000	350,466,000	0	344,872,000
Corporation for Public Broadcasting	119,200,000	120,200,000	0	152,000,000
National Arts Endowment	123,850,000	149,640,000	1,400,000	154,400,000
National Humanities Endowment	121,275,000	145,293,000	1,400,000	150,100,000
Reserve Officer Training:				
Army	40,350,000	53,900,000	0	51,300,000
Navy	22,438,000	25,065,000	0	25,115,000
Marine Corps	4,725,000	5,253,000	39,000	5,307,000
Air Force	22,048,000	23,666,000	0	24,418,000
Sea-Grant Program	30,929,000	33,153,000	0	34,347,000
Veterans' education & training	2,697,000,000	2,214,000,000	0	1,892,000,000
Comprehensive employment & training	2,869,480,000	4,159,452,000	400,000,000	4,306,945,000
National Science Foundation, total	857,200,000	911,625,000	0	1,006,000,000
Research	785,250,000	827,625,000	0	915,300,000
Applied Science & Research Applications	55,111,000	62,799,000	0	62,400,000
Science manpower improvement	31,712,000	32,809,000	0	32,900,000
Comprehensive assistance to undergraduate education	13,500,000	14,900,000	0	13,500,000
Career opportunities for women, minority groups, & handicapped students	9,800,000	10,300,000	0	9,800,000
Graduate student support	14,200,000	14,800,000	0	13,700,000
Science education development & research	8,860,000	11,700,000	0	15,300,000
Science & society	5,358,000	6,400,000	0	7,700,000

* This office in the Department of Agriculture was formerly named the Agricultural Research Service.

Universities Among Top 500 Defense Contractors

	Amount of contract (add 000)	Rank in top 500
Johns Hopkins U.	$117,471	16
Mass. Inst. of Tech.	106,216	17
U. of California	19,992	54
U. of Rochester	11,748	80
U. of Texas	11,294	83
U. of Alaska	9,608	88
U. of Dayton	9,201	90
Stanford U.	8,759	96
U. of Southern Cal.	8,708	98
U. of Washington	8,459	99
New Mexico State U.	6,902	109
Pennsylvania St. U.	6,531	111
U. of Illinois	5,027	119
U. of New Mexico	4,345	136
Columbia U.	4,283	137
Carnegie Mellon U.	3,674	151
U. of Michigan	3,138	163
U. of Arizona	2,930	168
Utah State U.	2,843	172
U. of Hawaii	2,735	176
Ohio State U. Research Fdn.	2,703	177
Purdue Research Fdn.	2,701	179
U. of Maryland	2,136	207
Ga. Inst. of Tech.	2,122	208
New Mexico Inst. of Mining & Tech.	2,012	217
U. of Miami	1,842	227
Oregon State U.	1,840	229
Yale U.	1,816	231
Syracuse U.	1,792	232
Cal. Inst. of Tech.	1,755	237
Stevens Institute	1,741	240
George Washington U.	1,611	247
San Diego State C. Foundation	1,504	259
Oklahoma State U.	1,493	261
New York Polytechnic Inst.	1,481	262
Harvard U.	2,552	187
U. of Pennsylvania	2,539	188
U. of Wisconsin	2,307	199
New York State U. Research Fdn.	$1,466	264
Cornell U.	1,458	265
Boston C.	1,394	270
U. of Florida	1,247	278
Princeton U.	1,181	284
New York U.	1,092	297
U. of Colorado	1,089	299
Louisiana State U.	1,054	304
Catholic U.	1,019	308
Northeastern U.	1,010	310
U. of Denver	993	316
U. of Rhode Island	913	328
Wentworth Inst.	907	329
U. of Minnesota	885	334
American U.	882	335
Auburn U.	851	338
U. of Virginia	790	349
U. of Tennessee	764	355
U. of Utah	742	365
Florida State U.	711	371
Rensselaer Polytechnic Inst.	667	385
Duke U.	664	386
U. of Pittsburgh	657	391
Florida Tech. U.	627	406
Wright State U.	621	410
Case Western Reserve U.	612	415
U. of Missouri	607	417
U. of Iowa	598	421
Northwestern U.	593	424
Brown U.	588	428
U. of Massachusetts	561	441
Georgetown U.	555	443
Regis C.	549	445
Va. Polytechnic Inst.	516	457
U. of North Carolina	505	462
So. Methodist U.	505	463
Emmanuel C. (Mass.)	457	487
Wayne State U.	450	490
Colorado State U.	446	493

SOURCE: U. S. DEPARTMENT OF DEFENSE

Giving

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165 Gifts by Source and Purpose
166 Gifts and Bequests Received by Selected Institutions

Who Gave How Much to Higher Education in 1977-78

	Major private universities (69)	Private men's colleges (9)	Private women's colleges (80)	Private coeducational colleges (459)	Professional and specialized schools (61)	Public institutions (209)	Junior colleges (178)	Total (1,065)
Volume of support								
Grand total of support	$877,122,077 (100.0%)	$28,325,415 (100.0%)	$80,722,583 (100.0%)	$620,795,138 (100.0%)	$94,650,701 (100.0%)	$623,444,094 (100.0%)	$22,865,439 (100.0%)	$2,347,925,447 (100.0%)
Current operations	478,737,187 (54.6%)	6,519,403 (23.0%)	40,687,615 (50.4%)	290,895,413 (46.9%)	58,185,587 (61.5%)	461,134,068 (74.0%)	13,151,954 (57.5%)	1,349,311,227 (57.5%)
Capital purposes	398,384,890 (45.4%)	21,806,012 (77.0%)	40,034,968 (49.6%)	329,899,725 (53.1%)	36,465,114 (38.5%)	162,310,026 (26.0%)	9,713,485 (42.5%)	998,614,220 (42.5%)
Sources of support								
Business corporations	$135,264,012 (15.4%)	$ 1,567,028 (5.5%)	$ 7,276,098 (9.0%)	$ 71,699,372 (11.6%)	$12,160,235 (12.8%)	$159,702,440 (25.6%)	$4,646,032 (20.3%)	$392,315,217 (16.7%)
Religious denominations	13,723,568 (1.6%)	1,161,230 (4.1%)	4,494,788 (5.6%)	84,497,586 (13.6%)	14,984,843 (15.8%)	555,284 (0.1%)	2,985,473 (13.1%)	122,402,772 (5.2%)
Alumni	245,134,402 (27.9%)	5,838,460 (20.6%)	33,879,724 (42.0%)	131,997,672 (21.3%)	13,928,453 (14.7%)	119,546,084 (19.2%)	2,296,671 (10.0%)	552,621,466 (23.5%)
Non-alumni individuals	203,496,180 (23.2%)	15,985,486 (56.4%)	19,415,029 (24.1%)	214,492,330 (34.6%)	24,458,822 (25.9%)	105,739,797 (17.0%)	6,325,886 (27.7%)	589,913,530 (25.1%)
General welfare foundations	211,396,865 (24.1%)	3,331,932 (11.8%)	12,676,025 (15.7%)	99,324,945 (16.0%)	25,459,460 (26.9%)	125,196,152 (20.1%)	3,494,933 (15.3%)	480,880,312 (20.5%)
Other groups and sources	68,107,050 (7.8%)	441,279 (1.6%)	2,980,919 (3.7%)	18,783,233 (3.0%)	3,658,888 (3.9%)	112,704,337 (18.0%)	3,116,444 (13.6%)	209,792,150 (8.9%)
Support through the annual fund								
Total number of alumni of record	4,198,274	81,634	667,710	4,163,771	439,921	8,879,878	562,520	18,993,708
Number of alumni solicited through annual fund	3,497,720	66,844	597,575	3,547,943	354,643	7,004,004	237,469	15,306,198
Number of alumni donors to the annual fund	765,568	23,241	192,179	763,260	58,335	866,098	27,008	2,695,689
Dollar value of alumni gifts to the annual fund	$ 86,642,377	$2,372,358	$18,276,799	$57,965,247	$ 4,400,755	$52,518,696	$1,456,842	$223,633,074
Dollar value of non-alumni parents'gifts to the annual fund	3,667,988	221,426	1,691,653	6,299,452	250,598	484,202	153,842	12,769,161
Dollar value of total of gifts to the annual fund	139,256,027	4,549,426	31,711,764	153,562,115	12,458,513	98,501,563	4,976,362	445,015,770
Total non-alumni parent support								
Number of non-alumni parent donors for all purposes	31,684	2,028	15,069	72,752	6,895	22,061	5,110	155,599
$11,611,882	$392,668	$702,989	$449,709	$22,226,178				
Amount of contributions by non-alumni parents for all purposes	$5,244,206	$301,983	$3,522,741					
Corporation matching gifts								
Support from corporation matching-gift programs	$8,084,352	$274,534	$1,374,466	$6,995,245	$617,430	$3,559,414	$110,070	$21,015,511
Total number of gifts matched	55,114	1,518	9,479	45,806	4,476	28,963	838	146,194

Estimated Total Support, by Source & Purpose, 1977-78

	1974-75	1975-76	1976-77	1977-78	% Change, 1977-78		
					vs.1975-77	vs.1975-76	vs.1974-75
Total Voluntary Support	$2,160	$2,410	$2,670	$3,040	+13.9	+26.1	+40.7
By Source:							
Alumni	486	588	638	714	+11.9	+21.4	+46.9
Nonalumni Individuals	516	569	646	766	+18.6	+34.6	+48.4
Foundations	497	549	558	623	+11.6	+13.4	+25.3
Business Corporations	357	379	446	508	+13.9	+34.0	+42.2
Religious Denomin.	112	130	136	158	+16.2	+21.5	+41.1
Other	192	195	246	271	+10.2	+39.0	+41.1
By Purpose:							
Unrestricted	695	786	865	934	+08.0	+18.8	+34.4
Physical Plant	335	371	430	447	+04.0	+20.4	+33.4
Research	324	354	398	480	+20.6	+35.6	+48.1
Student Aid	287	330	342	429	+25.4	+30.0	+49.4
Faculty Compensation	136	157	166	185	+11.4	+17.8	+36.0
Other	382	412	469	565	+20.4	+37.1	+47.9
Current Operations	1,370	1,480	1,620	1,825	+12.7	+23.3	+33.2
Capital Purposes	790	930	1,050	1,215	+15.7	+30.6	+53.8
Consumer Price Index (1967–100)	154.5	165.9	176.0	188.5	+7.1	—13.6	+22.0
Higher Education Price Index	166.2	177.2	188.7	201.3	+6.7	—13.6	+21.1

Gifts and Bequests Received by Selected Institutions, 1977-78

Rank	Institution	1977-78	1976-77
Larger colleges and universities			
1.	Harvard University	$ 63,559,000	$ 64,955,000
2.	Stanford University	54,551,000	56,049,000
3.	Columbia University	49,100,000	32,609,000
4.	Yale University	45,149,000	28,585
5.	University of Minnesota	34,551,000	32,339,000
6.	Cornell University	33,527,000	27,142
7.	University of Southern California	3,186,000	37,103,000
8.	University of Pennsylvania	32,916,000	30,998,000
9.	Massachusetts Institute of Technology	31,334,000	26,899
10.	University of Chicago	30,708,000	33,134,000
11.	Case Western Reserve	29,799,000	27,277
12.	Johns Hopkins University & Hosp.	29,257,000	21,179
13.	University of Michigan	28,477,000	27,002
14.	University of California, Los Angeles	26,03200,000	18,630
15.	Northwestern University	23,458,000	20,814
16.	University of Illinois	22,885,000	18,927
17.	Princeton University	22,280,000	23,134
18.	New York University	22,58300,000	22,289
19.	Dartmouth College	21,485,000	12,747
20.	Notre Dame (University of)	16,668,000	12,796
21.	University of California, Berkeley	13,189,000	14,973
22.	Vanderbilt University	12,998,000	11,492
23.	Loyola University of Chicago	12,645,000	8,891
24.	California, San Francisco	11,110,000	5,158
25.	Ohio State University	10,546,000	11,398
26.	Tulane University	10,225,000	10,086
27.	Southern Methodist University	10,101,000	11,041
28.	University of Iowa	9,971,000	10,390
29.	Rutgers (The State University of)	9,024,000	1,715
30.	Georgetown University	8,651,000	7,912
31.	Brown University	8,646,0008,925	
32.	Lehigh University	7,454,000	6,655
33.	Carnegie Mellon University	6,478,000	4,748
34.	University of California, Davis	6,307,000	5,523
35.	University of Cincinnati	00,000	5,15,84216
36.	University of California, San Diego	5,117,000	4,794
37.	University of California, Santa Barbara	830,000	1,536
Total, 37 institutions		**$800,639,000**	**$705,511,000**

Rank	Institution	1977-78	1976-77
Larger colleges and universities			
Smaller colleges and universities			
1.	Wabash College	11,545,000	ds2,439,000
2.	Williams College	$ 7,142,000,000	$ 7,695,000
3.	Pomona College	5,760,000	4,695,000
4.	Vassar College	4,981,000	4,897,000
5.	Davidson College	3,977,000	1,679,000
6.	Haverford College	3,900,000	4,045,000
7.	Carleton	3,786,000	3,706,000
8.	Bowdoin College	3,570,000	2,868,000
9.	Oberlin College	3,033,000	4,855,000
10.	Bucknell University	2,945,000	1,804,000
11.	Lafayette College	2,882,000	2,288,000
12.	Trinity College, Connecticut	2,479,000	2,330,000
13.	Colby College	2,390,000	2,243,000
14.	Wesleyan University	2,021,000	1,391,000
15.	College of the Holy Cross	2,102,000	1,998,000
16.	Stevens Institute of Technology	1,968,000	1,896,000
17.	Middlebury College	•1,919,000	1,904,000
18.	Hampton Institute	1,857,000	2,335,000
19.	Beloit College	1,697,000	1,364,000
20.	Antioch College	1,607,000	1,218,000
21.	Hobard and William Smith Colleges	1,254,000	3,441,000
Total, 21 institutions		**$72,815,000**	**$61,091,000**
Women's colleges			
1.	Smith College	10,519,000	8,240,000
2.	Wellesley College	6,452,000	8,744,000
3.	Mount Holyoke College	5,216,000	5,176,000
4.	Bryn Mawr College	3,646,000	4,314,000
5.	Radcliffe College	1,843,000	1,222,000
6.	Mills College	1,838,000	1,901,000
7.	Goucher College	1,511,000	1,070,000
8.	Barnard College	1,456,000	1,390,000
9.	Trinity College, District of Columbia	818,000	648,000
Total, 9 institutions		**$33,299,000**	**$32,705,000**
Total, 67 institutions		**$906,753,000**	**799,307,000**

SOURCE: BRAKELY JOHN PRICE JONES, INC.

Students

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Opening Fall Enrollments in 1976, 1977, and 1978

	Total enrollment for all institutions	Publicly controlled institutions					Privately controlled institutions				
		All students					All students				
		Men		Women		First-time students	Men		Women		First-time students
		Full-time	Part-time	Full-time	Part-time		Full-time	Part-time	Full-time	Part-time	
All institutions											
1976	11,121,426	2,757,351	1,776,420	2,282,818	1,896,045	1,880,968	984,698	341,746	778,222	304,126	496,274
1977	11,415,020	2,698,557	1,801,586	2,370,514	2,036,934	1,936,019	997,204	348,715	829,534	331,940	495,581
1978	11,354,756	2,561,036	1,818,923	2,315,213	2,158,460	1,996,867	972,333	341,656	846,123	341,012	478,992
1977-78 change	-0.5%	-5.1%	+1.0%	-2.3%	+6.0%	+3.1%	-2.5%	-2.0%	+2.0%	+2.7%	-3.3%
1976-78 change	+2.1%	-7.1%	+2.4%	+1.4%	+13.8%	+6.2%	-1.3%	0.0%	+8.7%	+12.1%	-3.5%
Universities											
1976	2,804,505	911,739	257,817	677,471	257,118	293,436	298,645	113,427	192,084	96,204	99,102
1977	2,817,264	907,507	241,131	695,431	249,746	301,064	303,266	114,950	202,794	102,376	95,171
1978	2,802,796	881,876	262,559	678,828	258,490	311,264	302,512	105,436	211,530	101,565	89,541
1977-78 change	-0.5%	-2.8%	+8.9%	-2.4%	+3.5%	+3.3%	-0.2%	-8.3%	+4.3%	-0.8%	-5.9%
1976-78 change	-0.1%	-3.3%	+1.8%	+0.2%	+0.5%	+6.1%	+1.3%	-7.0%	+10.1%	+5.6%	-9.6%
Other 4-year institutions											
1976	4,400,308	982,247	456,675	894,732	508,928	428,750	633,305	212,008	519,925	192,488	325,493
1977	4,518,772	981,292	461,654	930,830	526,969	444,276	637,792	218,202	505,698	211,344	322,493
1978	4,468,809	929,070	462,375	914,376	546,834	432,364	618,081	220,722	558,132	219,219	319,965
1977-78 change	-1.1%	-5.3%	+0.2%	-1.8%	+3.8%	-2.7%	-3.1%	+1.2%	+10.4%	+3.7%	-0.8%
1976-78 change	+1.6%	-5.4%	+1.2%	+2.2%	+7.4%	+0.8%	-2.4%	+4.1%	+7.3%	+13.9%	-1.7%
Two-year institutions											
1976	3,916,613	863,365	1,061,928	710,615	1,129,999	1,158,782	52,748	16,311	66,213	15,434	71,679
1977	4,078,984	809,695	1,098,801	744,253	1,260,219	1,190,679	56,146	15,599	76,051	18,220	77,917
1978	4,083,151	750,090	1,093,989	722,009	1,353,136	1,253,239	51,740	15,498	76,461	20,228	69,486
1977-78 change	+0.1%	-7.4%	-0.4%	-3.0%	+7.4%	+5.3%	-7.8%	-0.6%	+0.5%	+11.0%	-10.8%
1976-78 change	+4.3%	-13.1%	+3.0%	+1.6%	+19.7%	+8.2%	-1.9%	-5.0%	+15.5%	+31.1%	-3.1%

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

1978 Fall Enrollment, by State

		Publicly controlled institutions					Privately controlled institutions				
		All students					All students				
	Total enrollment for all institutions	Men		Women		First-time students	Men		Women		First-time students
		Full-time	Part-time	Full-time	Part-time		Full-time	Part-time	Full-time	Part-time	
Alabama	160,531	48,015	22,648	46,487	22,811	32,887	8,434	1,020	9,428	1,688	5,635
Alaska	23,928	3,706	6,800	2,959	10,021	3,287	110	64	90	178	137
Arizona	176,820	36,889	48,630	31,792	54,626	36,823	3,458	417	614	394	1,272
Arkansas	70,277	20,721	8,968	19,112	11,942	13,850	4,302	543	4,161	528	2,612
California	1,650,245	307,333	404,557	276,269	488,196	316,515	69,384	31,534	51,838	20,834	21,965
Colorado	150,778	48,440	22,171	39,508	26,455	27,143	5,694	1,751	4,779	1,980	2,520
Connecticut	152,035	23,900	19,194	24,482	25,344	21,473	18,943	12,163	16,552	11,457	11,581
Delaware	30,637	8,429	4,202	9,206	4,566	6,222	976	771	1,614	873	1,371
District of Columbia	85,061	1,956	4,060	2,018	5,613	2,971	22,580	16,617	20,135	12,082	6,640
Florida	376,680	80,434	68,755	76,486	85,603	59,750	31,452	8,569	18,497	6,884	12,606
Georgia	169,755	45,995	22,770	41,588	25,242	20,154	14,685	2,279	14,744	2,452	8,182
Hawaii	47,216	14,192	7,899	13,555	7,670	8,183	797	1,989	583	531	917
Idaho	41,045	11,622	5,985	8,524	6,470	6,185	2,850	548	4,284	762	3,847
Illinois	627,425	116,204	112,761	104,385	148,149	121,948	54,202	22,977	44,418	24,329	23,750
Indiana	221,472	57,124	30,373	48,448	32,275	33,678	23,436	4,490	18,835	6,491	12,367
Iowa	127,273	36,915	9,498	30,511	11,411	23,754	16,349	2,865	15,180	4,544	9,555
Kansas	128,908	36,618	21,164	30,297	26,748	23,714	5,458	1,079	6,105	1,439	3,784
Kentucky	131,268	36,101	15,521	34,193	22,044	20,920	9,103	2,253	8,465	3,588	5,577
Louisiana	150,160	47,861	15,721	45,001	20,525	26,223	8,461	2,482	7,410	2,699	3,501
Maine	40,883	10,284	4,930	8,658	6,275	5,888	4,619	916	4,279	922	2,806
Maryland	214,505	44,655	41,672	45,833	54,468	39,379	8,351	5,168	8,307	6,051	4,099
Massachusetts	380,047	44,465	30,610	50,847	39,569	34,797	81,457	28,866	73,603	30,630	38,703
Michigan	484,954	110,477	111,953	91,311	109,915	90,393	23,663	9,275	19,766	8,594	13,082
Minnesota	188,555	49,679	23,148	44,331	30,887	30,050	17,848	1,864	18,499	2,299	9,567
Mississippi	98,040	32,769	9,561	33,068	11,740	22,624	3,810	1,012	4,318	1,762	2,446
Missouri	218,565	49,280	27,226	42,596	32,579	36,164	26,167	10,776	19,964	9,977	10,611
Montana	30,575	11,881	2,543	9,969	3,347	6,869	848	469	936	582	648
Nebraska	82,068	22,589	12,466	18,255	14,117	16,063	6,116	1,505	5,401	1,619	3,477
Nevada	33,593	6,333	11,080	4,796	11,135	7,773	75	48	59	67	74
New Hampshire	40,392	8,511	2,346	8,533	2,875	5,148	8,302	2,495	5,536	1,794	4,385
New Jersey	306,145	58,599	51,397	60,794	65,683	53,261	23,741	14,579	18,265	13,087	10,391
New Mexico	55,647	18,316	7,857	15,075	10,663	8,957	898	1,128	823	889	440
New York	948,459	166,420	89,199	173,308	112,740	132,603	143,311	66,416	123,171	73,894	61,822
North Carolina	260,519	68,103	33,937	67,076	36,872	56,543	25,357	1,968	24,672	2,534	15,091
North Dakota	32,293	13,749	2,513	11,357	2,641	8,381	740	112	945	236	506
Ohio	448,704	111,178	62,912	100,587	74,795	78,250	41,248	12,670	32,697	12,617	23,619
Oklahoma	148,313	45,756	21,265	35,574	24,258	25,626	8,384	3,048	7,256	2,772	4,379
Oregon	143,633	38,927	23,834	32,710	31,566	38,462	7,610	1,634	5,780	1,572	3,274
Pennsylvania	469,886	94,337	43,955	86,497	54,307	60,886	76,732	24,860	62,659	26,539	37,496
Rhode Island	60,141	8,534	5,750	9,733	9,268	8,936	10,901	4,783	8,081	3,091	6,091
South Carolina	128,054	37,786	16,295	30,288	17,672	30,018	10,717	1,658	11,788	1,850	7,244
South Dakota	29,245	9,719	1,850	7,657	2,013	4,877	3,644	385	3,256	721	2,189
Tennessee	191,934	46,995	27,276	42,005	32,711	28,074	20,352	2,126	17,937	2,532	10,229
Texas	648,094	177,964	117,239	147,948	125,905	113,239	33,700	9,780	27,971	7,587	15,462
Utah	89,096	22,391	10,976	15,198	6,646	14,240	13,419	3,466	12,708	4,292	6,978
Vermont	29,773	5,882	2,055	6,089	3,526	4,057	5,186	635	5,572	828	3,201
Virginia	268,736	61,255	49,292	60,360	65,358	58,889	13,222	1,801	15,160	2,288	8,912
Washington	272,726	65,187	64,360	55,844	62,264	24,635	9,602	2,955	9,605	2,909	4,485
West Virginia	77,912	22,442	11,268	18,391	15,200	14,204	3,771	1,105	4,124	1,611	2,986
Wisconsin	241,915	71,249	36,394	64,161	38,411	49,259	12,888	3,416	11,793	3,603	6,496
Wyoming	20,032	6,474	3,402	5,270	4,886	4,993	—	—	—	—	—

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

20-Year Trends in Enrollments

High-School Graduates

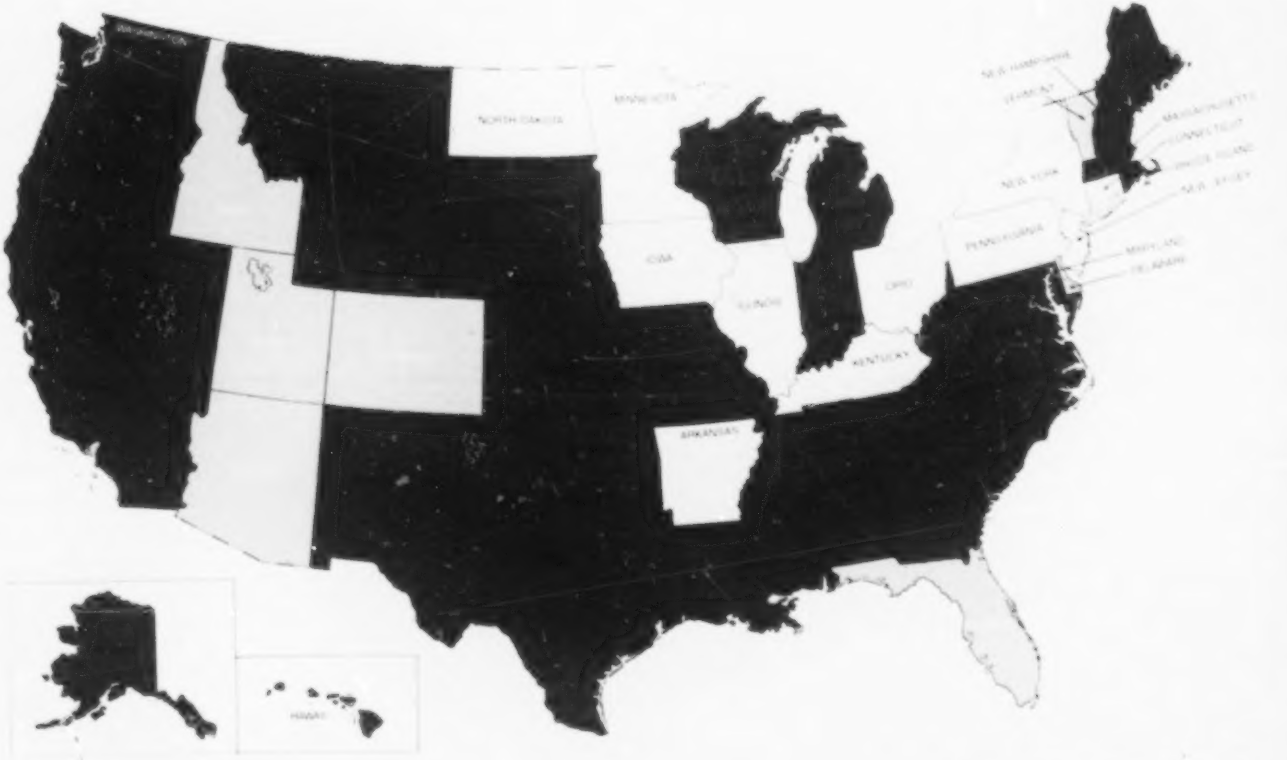
	1966-67	1968-69	1970-71	1972-73	1974-75	1976-77	1978-79	1980-81	1982-83	1984-85	1986-87
Men	1,332,000	1,402,000	1,457,000	1,503,000	1,545,000	1,571,000	1,570,000	1,522,000	1,415,000	1,344,000	1,369,000
Women	1,348,000	1,427,000	1,487,000	1,540,000	1,595,000	1,578,000	1,574,000	1,521,000	1,420,000	1,348,000	1,371,000
Public	2,381,000	2,529,000	2,644,000	2,737,000	2,830,000	2,839,000	2,834,000	2,733,000	2,525,000	2,382,000	2,430,000
Private[1]	298,000	300,000	300,000	306,000	310,000	310,000	310,000	310,000	310,000	310,000	310,000
Total	**2,679,000**	**2,829,000**	**2,944,000**	**3,043,000**	**3,140,000**	**3,149,000**	**3,144,000**	**3,043,000**	**2,835,000**	**2,692,000**	**2,740,000**

College and University Enrollments

TWO-YEAR INSTITUTIONS[2]	1966	1968	1970	1972	1974	1976	1978	1980	1982	1984	1986
Men	809,000	1,090,000	1,317,000	1,544,000	1,832,000	1,980,000	2,268,000	2,485,000	2,662,000	2,792,000	2,894,000
Women	517,000	702,000	906,000	1,212,000	1,572,000	1,903,000	2,199,000	2,491,000	2,723,000	2,913,000	3,085,000
Full-time[3]	737,000	976,000	1,165,000	1,340,000	1,509,000	1,664,000	1,843,000	1,971,000	2,064,000	2,124,000	2,171,000
Part-time[3]	589,000	817,000	1,058,000	1,416,000	1,895,000	2,219,000	2,624,000	3,005,000	3,321,000	3,581,000	3,808,000
Public	1,189,000	1,646,000	2,102,000	2,641,000	3,285,000	3,752,000	4,323,000	4,825,000	5,228,000	5,546,000	5,819,000
Private	137,000	146,000	121,000	115,000	119,000	132,000	144,000	151,000	157,000	159,000	160,000
Total	**1,326,000**	**1,792,000**	**2,223,000**	**2,756,000**	**3,404,000**	**3,883,000**	**4,467,000**	**4,976,000**	**5,385,000**	**5,705,000**	**5,979,000**
FOUR-YEAR INSTITUTIONS											
Men	3,047,000	3,387,000	3,726,000	3,695,000	3,791,000	3,831,000	3,944,000	3,983,000	3,956,000	3,861,000	3,740,000
Women	2,017,000	2,333,000	2,631,000	2,764,000	3,029,000	3,298,000	3,371,000	3,417,000	3,381,000	3,294,000	3,184,000
Full-time[3]	3,701,000	4,235,000	4,650,000	4,732,000	4,861,000	5,053,000	5,089,000	5,061,000	4,933,000	4,726,000	4,483,000
Part-time[3]	1,362,000	1,486,000	1,708,000	1,727,000	1,959,000	2,076,000	2,226,000	2,339,000	2,404,000	2,429,000	2,441,000
Public	3,160,000	3,784,000	4,326,000	4,430,000	4,703,000	4,902,000	5,045,000	5,116,000	5,083,000	4,970,000	4,834,000
Private	1,904,000	1,937,000	2,032,000	2,029,000	2,117,000	2,227,000	2,270,000	2,284,000	2,254,000	2,185,000	2,090,000
Total	**5,064,000**	**5,721,000**	**6,358,000**	**6,459,000**	**6,820,000**	**7,129,000**	**7,315,000**	**7,400,000**	**7,337,000**	**7,155,000**	**6,924,000**
Graduate[4]											
Men	503,000	558,000	632,000	627,000	663,000	715,000	752,000	778,000	787,000	784,000	774,000
Women	265,000	327,000	399,000	439,000	527,000	619,000	669,000	713,000	738,000	750,000	758,000
Full-time	285,000	337,000	379,000	393,000	428,000	464,000	489,000	512,000	519,000	517,000	510,000
Part-time	483,000	548,000	652,000	673,000	762,000	870,000	932,000	979,000	1,006,000	1,017,000	1,022,000
Public	489,000	584,000	724,000	757,000	852,000	932,000	995,000	1,045,000	1,069,000	1,077,000	1,076,000
Private	279,000	301,000	307,000	308,000	338,000	401,000	426,000	446,000	456,000	457,000	456,000
Total	**768,000**	**885,000**	**1,031,000**	**1,066,000**	**1,190,000**	**1,333,000**	**1,421,000**	**1,491,000**	**1,525,000**	**1,534,000**	**1,532,000**
ALL INSTITUTIONS											
Men	3,856,000	4,478,000	5,044,000	5,239,000	5,622,000	5,811,000	6,212,000	6,468,000	6,618,000	6,653,000	6,634,000
Women	2,534,000	3,035,000	3,537,000	3,976,000	4,601,000	5,201,000	5,570,000	5,908,000	6,104,000	6,207,000	6,269,000
Full-time[3]	4,439,000	5,210,000	5,815,000	6,072,000	6,370,000	6,717,000	6,932,000	7,032,000	6,997,000	6,850,000	6,654,000
Part-time[3]	1,951,000	2,303,000	2,766,000	3,142,000	3,853,000	4,295,000	4,850,000	5,344,000	5,725,000	6,010,000	6,249,000
Public	4,349,000	5,431,000	6,428,000	7,071,000	7,989,000	8,653,000	9,368,000	9,941,000	10,311,000	10,516,000	10,653,000
Private	2,041,000	2,082,000	2,153,000	2,144,000	2,235,000	2,359,000	2,414,000	2,435,000	2,411,000	2,344,000	2,250,000
Total	**6,390,000**	**7,513,000**	**8,581,000**	**9,215,000**	**10,224,000**	**11,012,000**	**11,782,000**	**12,376,000**	**12,722,000**	**12,860,000**	**12,903,000**

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Population Shifts and Migration of Students


WASHINGTON
NORTH DAKOTA
MINNESOTA
IOWA
ILLINOIS
OHIO
KENTUCKY
ARKANSAS
NEW YORK
PENNSYLVANIA
NEW HAMPSHIRE
VERMONT
MASSACHUSETTS
CONNECTICUT
RHODE ISLAND
NEW JERSEY
MARYLAND
DELAWARE
HAWAII

SOURCE: AMERICAN COUNCIL ON EDUCATION

Population shifts and interstate migration of students are expected to increase the number of 18-year-olds by 1985 in seven states (light gray on map), while 11 (in white) are expected to have a net loss. Little change is predicted for 32 states (dark gray).

College Enrollment in Canada

A 10-year record of full-time students by area of specialization

Undergraduate

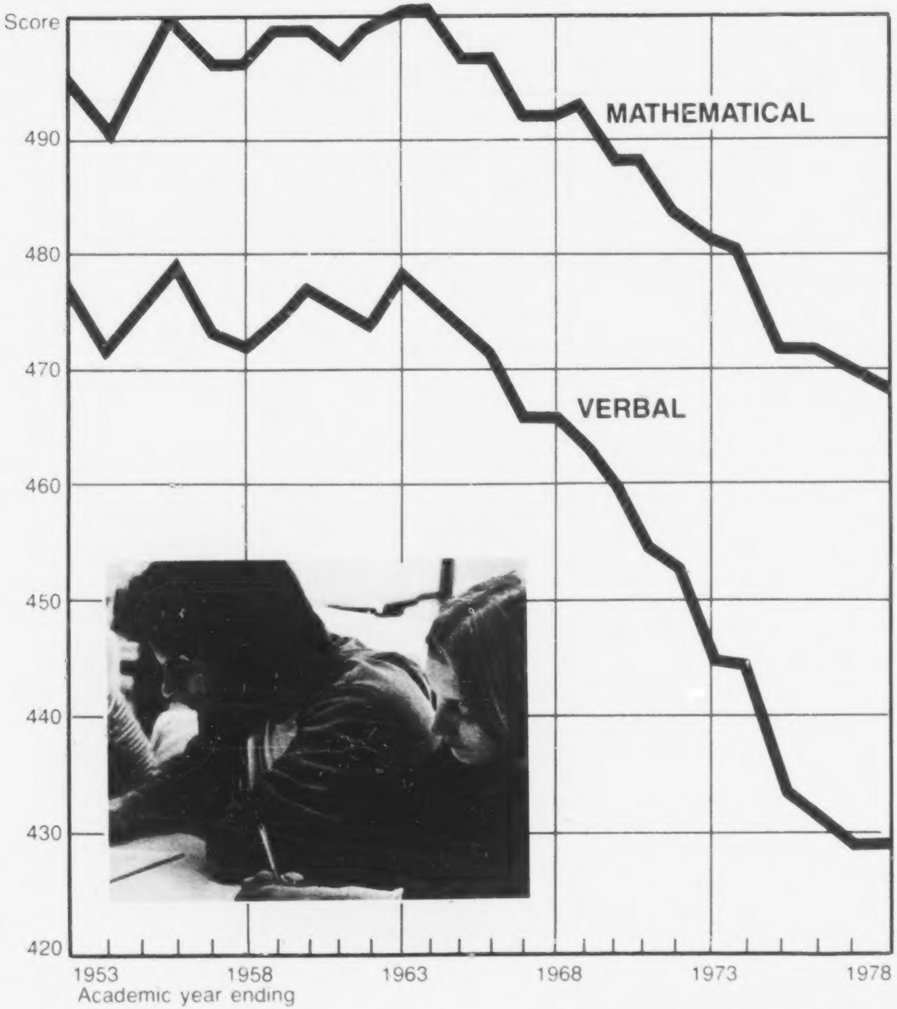
	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Arts	100,175	100,876	98,164	95,511	93,379	84,202	85,061	86,008	89,364	89,440
Science	32,913	36,919	40,947	43,910	42,177	45,311	46,623	46,581	45,770	44,380
Arts or science	0	0	9,928	15,194	20,302	20,664	20,996	23,050	26,721	25,341
Agriculture	2,685	2,745	3,538	3,721	3,527	3,117	3,591	4,257	4,613	5,201
Commerce, bus. admin.	13,381	14,982	16,117	16,747	20,189	22,266	25,177	27,091	29,970	32,161
Education	28,101	28,757	35,627	38,531	38,841	36,770	38,450	40,305	45,118	46,787
Engr., app. sci.	23,280	24,866	25,076	25,706	26,635	25,656	25,915	28,054	30,868	32,815
Fine arts	1,938	2,459	4,411	5,446	7,505	9,005	9,900	10,514	11,422	11,838
Dentistry	1,366	1,487	1,796	1,878	2,034	1,835	1,886	1,868	1,916	1,961
Medicine	5,003	5,240	5,558	5,733	6,330	6,815	7,088	8,361	8,843	9,328
Nursing	3,570	3,996	4,222	4,391	4,740	4,860	5,105	5,733	6,421	6,176
Pharmacy	1,735	1,789	1,944	2,068	2,294	2,537	2,562	2,633	2,686	2,734
Other health sciences	1,346	1,573	2,347	2,273	2,601	2,601	2,902	2,585	2,873	3,182
Household sci.	2,594	2,715	2,835	2,941	3,403	3,837	4,435	4,494	4,321	3,878
Law	5,067	5,735	6,459	7,250	7,764	8,134	8,453	8,397	8,885	9,294
Religion, theol.	3,484	2,959	3,053	2,670	2,290	2,218	2,115	2,212	2,252	2,451
Vet. medicine	556	605	641	707	793	856	892	943	999	1,000
Unclassified	2,105	1,990	1,252	1,620	2,314	4,213	3,825	6,455	7,912	7,899
Total	229,299	239,723	263,915	276,297	287,118	284,897	294,976	309,541	330,954	335,866

Graduate

	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Education	1,253	1,691	1,867	2,803	2,774	2,547	2,754	2,728	3,194	3,383
Fine arts	76	114	147	284	297	335	396	461	487	464
Commerce, business	1,538	1,634	1,870	2,142	2,218	2,281	2,480	2,691	2,933	2,868
Law	134	126	152	133	149	152	159	173	187	192
Religion, theol.	277	334	458	670	1,000	1,246	1,106	1,236	1,194	1,483
Humanities, social science	9,874	9,367	11,628	12,223	12,364	11,883	12,164	12,816	13,349	13,680
Engr., app. sci.	2,758	3,268	3,494	3,595	3,394	3,133	3,002	3,160	3,402	3,335
Agriculture	662	921	652	2,427	2,429	2,055	2,171	2,067	2,404	2,708
Household sci.	38	44	73	82	22	0	0	57	81	98
Vet. medicine	48	56	92	88	38	34	61	22	50	90
Dentistry	67	100	91	41	42	34	35	36	39	34
Medicine	1,334	1,301	1,565	1,223	1,549	805	753	831	944	1,010
Nursing	90	64	47	65	109	79	94	86	126	124
Pharmacy	77	94	105	138	100	85	70	99	77	74
Other health sciences	54	50	45	5	13	92	202	249	215	240
Math., phys. sci.	5,426	6,200	7,105	4,779	4,425	4,104	3,834	3,729	3,899	3,918
Unclassified, other	481	756	840	127	111	462	259	855	594	164
Total	24,187	26,120	30,231	30,820	31,034	29,327	29,540	31,296	33,175	33,865

SOURCE: STATISTICS CANADA

How S.A.T. Scores Have Declined



SOURCE: COLLEGE ENTRANCE EXAMINATION BOARD

Proportion of Degrees Awarded to Women

Bachelor's Degrees

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Agriculture and natural resources	4.2%	5.5%	7.4%	9.7%	14.1%	18.3%
Architecture and environmental design	12.0%	12.0%	13.2%	14.8%	17.4%	19.2%
Area studies	52.9%	52.5%	52.3%	54.3%	55.1%	55.5%
Biological sciences	29.3%	29.6%	30.1%	31.5%	33.3%	34.8%
Business and management	9.3%	9.7%	10.8%	13.1%	16.4%	19.8%
Communications	35.3%	35.5%	36.6%	38.4%	40.5%	41.5%
Computer and information sciences	13.6%	13.6%	14.9%	16.4%	19.0%	19.8%
Education	74.4%	74.1%	73.5%	73.5%	73.3%	72.8%
Engineering	0.8%	1.0%	1.2%	1.6%	2.2%	3.2%
Fine and applied arts	59.7%	59.9%	60.4%	60.2%	61.9%	60.9%
Foreign languages	74.8%	75.1%	76.0%	76.4%	77.0%	76.4%
Health professions	77.2%	75.7%	77.0%	77.4%	77.8%	78.8%
Home economics	97.3%	96.5%	96.3%	96.4%	96.0%	95.9%
Law	5.0%	6.6%	8.4%	10.5%	14.2%	18.8%
Letters	61.0%	60.1%	58.9%	58.0%	57.3%	56.9%
Library science	92.0%	93.3%	94.4%	92.6%	92.5%	93.1%
Mathematics	38.1%	39.1%	40.2%	41.0%	42.0%	40.7%
Military science	0.3%	0.0%	0.0%	0.3%	0.0%	0.2%
Physical sciences	14.0%	15.1%	15.0%	16.6%	18.4%	19.2%
Psychology	44.7%	46.4%	47.8%	50.5%	52.7%	54.4%
Public affairs and sciences	49.1%	47.9%	46.9%	43.5%	45.6%	43.7%
Social sciences	37.0%	36.3%	36.3%	36.6%	37.4%	37.9%
Theology	27.2%	27.8%	25.7%	28.1%	27.4%	27.3%
Interdisciplinary studies	29.2%	31.1%	34.1%	37.1%	42.2%	45.0%
All disciplines	43.5%	43.7%	43.9%	44.4%	45.4%	45.6%

Master's Degrees

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Agriculture and natural resources	5.9%	7.1%	7.9%	9.8%	11.8%	14.3%
Architecture and environmental design	14.1%	14.6%	15.7%	18.4%	20.3%	20.8%
Area studies	39.0%	40.7%	37.0%	38.9%	43.2%	45.3%
Biological sciences	33.8%	33.1%	30.6%	30.6%	30.0%	31.8%
Business and management	3.9%	3.9%	4.9%	6.6%	8.4%	11.6%
Communications	34.6%	34.4%	35.7%	36.8%	42.1%	41.8%
Computer and information sciences	10.3%	11.4%	10.6%	12.9%	14.7%	14.5%
Education	56.2%	57.3%	58.2%	59.9%	62.2%	64.3%
Engineering	1.1%	1.6%	1.7%	2.3%	2.4%	3.6%
Fine and applied arts	47.4%	46.3%	44.8%	45.9%	46.8%	48.9%
Foreign languages	65.4%	65.1%	64.3%	66.1%	66.9%	66.7%
Health professions	55.4%	56.4%	57.5%	60.2%	61.8%	66.5%
Home economics	93.9%	92.7%	90.7%	91.1%	89.3%	91.5%
Law	4.8%	5.8%	7.5%	7.1%	8.0%	12.0%
Letters	57.5%	57.7%	57.1%	56.6%	58.8%	58.3%
Library science	81.3%	79.9%	78.1%	77.8%	78.8%	78.3%
Mathematics	29.3%	29.8%	29.9%	31.0%	32.9%	34.0%
Military science	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Physical sciences	13.4%	14.1%	13.5%	14.6%	14.5%	15.0%
Psychology	37.2%	38.4%	40.2%	39.8%	42.9%	46.7%
Public affairs and sciences	48.8%	47.0%	46.7%	45.3%	44.6%	45.3%

Master's Degrees

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Social sciences	28.5%	28.2%	27.6%	28.8%	30.0%	31.6%
Theology	24.4%	23.4%	26.7%	27.2%	30.9%	32.1%
Interdisciplinary studies	35.2%	39.2%	45.6%	45.8%	47.7%	46.5%
All disciplines	40.1%	40.6%	41.4%	43.1%	44.8%	46.4%

First-Professional Degrees

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76
Dentistry	1.2%	1.2%	1.4%	2.0%	3.1%	4.5%
Medicine	9.2%	9.0%	9.0%	11.2%	13.2%	16.2%
Optometry	2.4%	2.2%	2.6%	4.2%	5.0%	7.7%
Osteopathic medicine	2.3%	3.5%	2.9%	2.8%	5.3%	7.2%
Podiatry or podiatric medicine	2.1%	0.3%	0.3%	1.1%	1.1%	2.6%
Veterinary medicine	7.8%	9.4%	10.2%	11.2%	15.9%	18.1%
Law, general	7.3%	7.2%	8.1%	11.5%	15.1%	19.2%
Theological professions, general	2.3%	1.9%	3.4%	5.5%	6.8%	7.6%
Pharmacy	*	*	*	*	*	29.6%
Chiropractic	*	*	*	*	*	9.3%
Other	21.2%	20.8%	11.8%	26.1%	11.0%	10.0%
All fields	6.5%	6.3%	7.1%	9.9%	12.5%	15.6%

* Data not available

SOURCE: "DEGREE AWARDS TO WOMEN,"
PUBLISHED PY NATIONAL CENTER FOR EDUCATION STATISTICS

Estimated Minority Enrollments

National

	1970	1978
Black Americans	470,000	915,000
Mexican Americans	50,000	115,000
Puerto Ricans	20,000	60,000
Native Americans	4,000	20,000
Sub-totals	544,000	1,110,000
All Others	7,506,000	10,290,000
Totals	8,050,000	11,400,000

Black Colleges

	1970	1978	Change
Men			
Full-time	76,160	80,592	-5.5%
Part-time	14,572	16,617	-12.3%
Total	90,732	97,209	-6.7%
Women			
Full-time	89,708	93,818	-4.4%
Part-time	19,700	21,547	-8.6%
Total	109,408	115,366	-5.2%
First-time freshmen	42,701	49,161	-13.1%
Total	200,140	212,574	-5.8%

SOURCE: FORD FOUNDATION

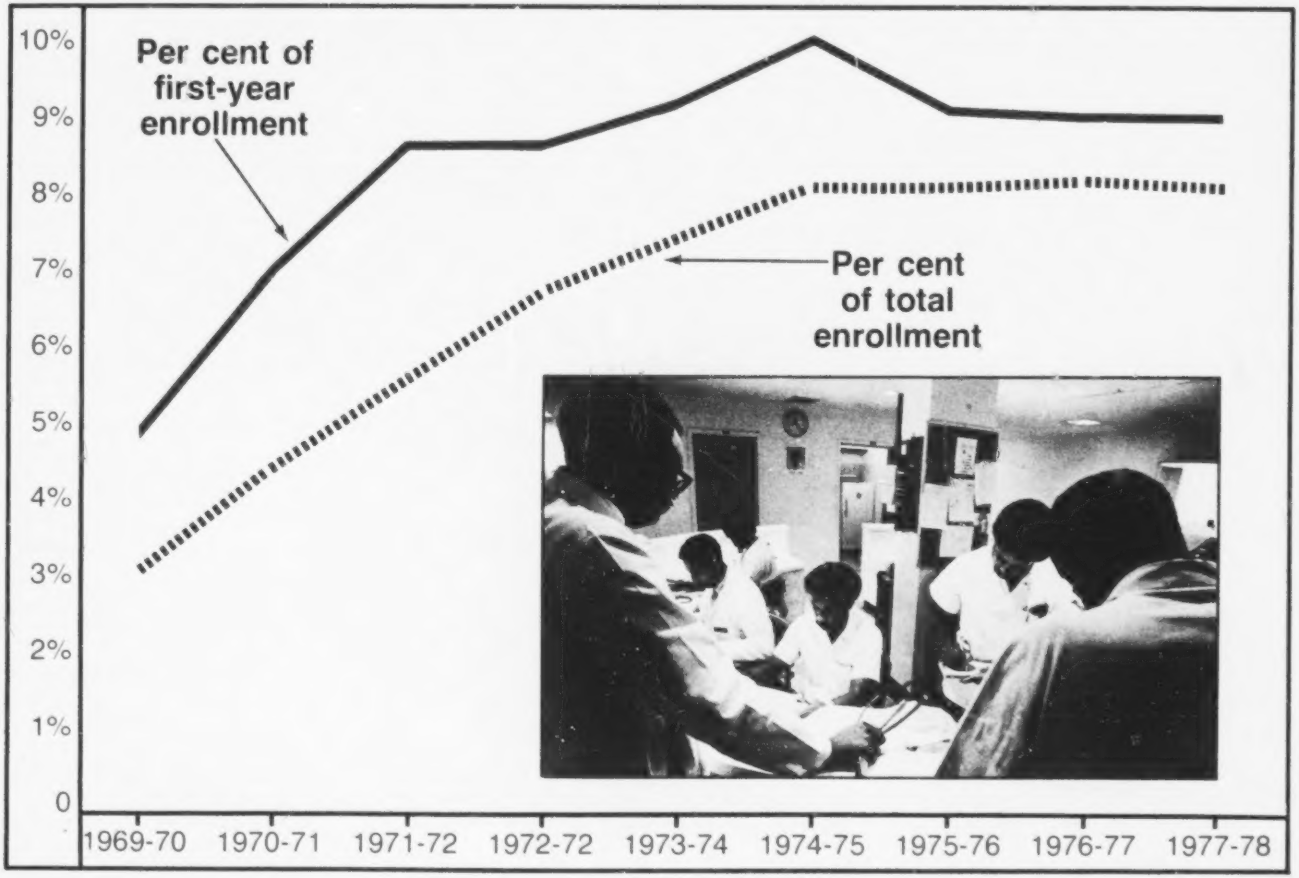
4 Groups' Medical Enrollment, 1969-78

	Black American		American Indian		Mexican-American		Puerto Rican †	
	Number	Pct.	Number	Pct.	Number	Pct.	Number	Pct.
Total Enrollment								
1969-70	1,042	2.8%	18	*	92	0.2%	26	*
1970-71	1,509	3.8%	18	*	148	0.4%	48	0.1%
1971-72	2,055	4.7%	42	0.1%	252	0.6%	76	0.2%
1972-73	2,582	5.5%	69	0.2%	361	0.8%	90	0.2%
1973-74	3,049	6.0%	97	0.2%	496	1.0%	123	0.2%
1974-75	3,355	6.3%	159	0.3%	638	1.2%	172	0.3%
1975-76	3,456	6.2%	172	0.3%	699	1.3%	197	0.4%
1976-77	3,517	6.1%	186	0.3%	780	1.4%	232	0.4%
1977-78	3,587	6.0%	201	0.3%	831	1.4%	261	0.4%
First-Year Enrollment								
1969-70	440	4.2%	7	0.1%	44	0.4%	10	0.1%
1970-71	697	6.1%	11	0.1%	73	0.6%	27	0.2%
1971-72	882	7.1%	23	0.2%	118	1.0%	40	0.3%
1972-73	957	7.0%	34	0.3%	137	1.0%	44	0.3%
1973-74	1,027	7.3%	44	0.3%	174	1.2%	56	0.4%
1974-75	1,106	7.5%	71	0.5%	227	1.5%	69	0.5%
1975-76	1,036	6.8%	60	0.4%	224	1.5%	71	0.5%
1976-77	1,040	6.7%	43	0.3%	245	1.6%	72	0.5%
1977-78	1,085	6.7%	51	0.3%	246	1.5%	68	0.4%

*Less than 0.1 percent
†Figures include only Mainland Puerto Ricans.

Note: Figures include students who are repeating.
SOURCE: ASSOCIATION OF AMERICAN MEDICAL COLLEGES.

Minority Medical School Enrollments



The proportion of minority-group students in both first-year and total enrollments at U.S. medical schools has leveled off.

SOURCE: ASSOCIATION OF AMERICAN MEDICAL COLLEGES

Earned Degrees Conferred, 1977

Public institutions

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture, natural resources	16,308	4,665	3,062	529	817	58
Architecture, environmental design	5,804	1,503	1,678	415	35	7
Area studies	619	769	242	253	42	24
Biological sciences	22,771	12,288	3,721	1,817	1,990	489
Business and management	77,484	24,798	18,717	3,126	560	34
Communications	9,571	7,556	1,075	887	104	31
Computer and information sciences	3,751	1,230	1,334	266	120	14
Education	32,595	80,851	32,911	61,844	3,761	1,964
Engineering	34,664	1,523	10,084	411	1,594	35
Fine and applied arts	9,863	15,503	2,727	2,879	309	135
Foreign languages	2,081	6,759	608	1,402	218	215
Health professions	8,491	30,558	2,574	6,112	269	115
Home economics	619	14,410	157	1,839	35	116
Law	161	53	231	25	8	1
Letters	10,963	16,425	2,843	4,410	811	515
Library science	67	661	1,118	4,366	23	22
Mathematics	5,204	3,691	1,751	1,059	427	70
Military sciences	987	3	42	1	—	—
Physical sciences	11,471	2,627	3,273	614	2,029	184
Psychology	13,684	17,321	2,568	2,164	1,020	524
Public affairs and services	13,742	13,088	6,257	5,537	73	43
Social sciences	45,695	29,390	6,889	3,221	1,735	457
Theology	5	1	—	—	1	—
Interdisciplinary studies	12,955	10,681	1,543	1,107	153	54

Private institutions

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture, natural resources	442	116	126	18	14	4
Architecture, environmental design	1,466	479	816	310	27	4
Area studies	687	895	283	211	62	25
Biological sciences	11,703	7,431	1,017	599	685	239
Business and management	40,026	11,454	21,252	3,555	254	21
Communications	3,364	2,730	645	485	26	10
Computer and information sciences	1,136	309	998	200	77	5
Education	7,815	24,137	10,389	21,586	1,425	805
Engineering	12,773	717	5,447	309	919	38
Fine and applied arts	6,408	10,328	1,486	1,546	138	80
Foreign languages	1,329	4,133	361	807	147	172
Health professions	3,543	15,253	1,629	2,777	97	57
Home economics	103	2,435	50	294	2	7
Law	244	101	1,135	183	44	7
Letters	9,588	10,526	1,406	1,836	549	327
Library science	4	49	432	1,676	12	18
Mathematics	3,150	2,258	647	241	287	39
Military sciences	2	—	—	—	—	—
Physical sciences	6,596	1,924	1,185	273	995	136

Private institutions—Cont.

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Psychology	7,008	9,781	1,748	1,840	750	467
Public affairs and services	6,446	3,469	4,475	3,427	152	67
Social sciences	25,998	17,239	3,506	1,873	1,214	378
Theology	4,549	1,574	2,488	1,137	1,082	42
Interdisciplinary studies	5,186	5,415	1,284	564	58	39

All institutions

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture, natural resources	16,750	4,781	3,188	547	831	62
Architecture, environmental design	7,270	1,982	2,494	725	62	11
Area studies	1,306	1,664	525	464	104	49
Biological sciences	34,474	19,719	4,738	2,416	2,675	728
Business and management	117,510	36,252	39,969	6,681	814	55
Communications	12,935	10,286	1,720	1,372	130	41
Computer and information sciences	4,887	1,539	2,332	466	197	19
Education	40,410	104,988	43,300	83,430	5,186	2,769
Engineering	47,437	2,240	15,531	720	2,513	73
Fine and applied arts	16,271	25,831	4,213	4,425	447	215
Foreign languages	3,410	10,892	969	2,209	365	387
Health professions	12,034	45,811	4,203	8,889	366	172
Home economics	722	16,845	207	2,133	37	123
Law	405	154	1,366	208	52	8
Letters	20,551	26,951	4,249	6,246	1,360	842
Library science	71	710	1,550	6,042	35	40
Mathematics	8,354	5,949	2,398	1,300	714	109
Military sciences	989	3	42	1	—	—
Physical sciences	18,067	4,551	4,458	887	3,024	320
Psychology	20,692	27,102	4,316	4,004	1,770	991
Public affairs and services	20,188	16,557	10,732	8,964	225	110
Social sciences	71,693	46,629	10,395	5,094	2,949	835
Theology	4,554	1,575	2,488	1,137	1,083	42
Interdisciplinary studies	18,141	16,096	2,827	1,671	211	93

First-professional degrees

	Public institutions		Private institutions		All institutions	
	Men	Women	Men	Women	Men	Women
Chiropractic	—	—	1,252	116	1,252	116
Dentistry	2,839	217	1,965	166	4,804	383
Law	10,301	3,151	16,317	4,594	26,618	7,745
Medicine	6,613	1,449	4,361	1,151	10,974	2,600
Optometry	266	51	582	54	848	105
Osteopathic medicine	103	23	674	52	777	75
Pharmacy	136	64	246	81	382	145
Podiatry, podiatric medicine	—	—	470	16	470	16
Theological professions	—	—	5,307	554	5,307	554
Veterinary medicine	1,136	320	88	42	1,224	362
Other	—	—	12	11	12	11

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Characteristics and Attitudes of 1978-79 Freshmen

The following tables show attitudes and characteristics of 1978-79 college freshmen as reported in a study, "The American Freshman: National Norms for Fall 1978," directed by Alexander W. Astin of the Cooperative Institutional Research Program of the Graduate School of Education at the University of California at Los Angeles, and sponsored by the American Council on Education.

The data are based on responses from full-time freshmen entering about 375 representative institutions for the first time in fall, 1978.

Characteristics

Age by December 31, 1978:

16 or younger	0.1%
17	3.3%
18	75.3%
19	17.2%
20	1.8%
21	0.6%
22	0.4%
23-29	1.0%
30 or older	0.5%

Racial background:

White/Caucasian	88.5%
Black/Negro/Afro-American	8.1%
American Indian	0.8%
Oriental	1.1%
Mexican-American/Chicano	1.0%
Puerto Rican-American	0.9%
Other	1.7%

Average grade in high school:

A or A+	10.5%
A-	12.8%
B+	20.1%
B	26.4%
B-	12.7%
C+	10.5%
C	6.8%
D	0.3%

Year graduated from high school:

1978	94.1%
1977	2.9%
1976	0.8%
1975 or earlier	1.4%
High-school equivalency	0.5%
Never completed high school	0.3%

High-school program:

College preparatory	87.5%
Other	12.5%

High-school program prepared student very well in:

Mathematical skills	31.3%
Reading and composition	34.5%
Foreign languages	16.5%
Science	35.0%
History, social sciences	40.5%
Vocational skills	18.5%
Musical and artistic skills	23.8%
Study habits	18.8%

Student had remedial work in:

English	10.0%
Reading	11.0%
Mathematics	10.6%
Social studies	10.3%
Science	9.1%
Foreign language	6.7%

Student will need remedial work in:

English	14.0%
Reading	8.1%
Mathematics	24.9%
Social studies	4.0%
Science	12.9%
Foreign language	14.2%

Residence planned during fall term:

With parents or relatives	35.7%
Other private dwelling	5.5%
College dormitory	56.0%
Fraternity/sorority house	0.5%
Other campus housing	1.5%
Other	0.8%

Residence preferred during fall term:

With parents or relatives	18.9%
Other private dwelling	24.6%
College dormitory	45.9%
Fraternity/sorority house	4.4%
Other campus housing	3.9%
Other	2.3%

Number of other colleges applied to for admission this year:

None	37.0%
One	18.1%
Two	17.8%
Three	13.4%
Four	6.5%
Five	3.7%
Six or more	3.4%

Number of other college acceptances this year:

None	20.7%
One	31.0%
Two	23.6%
Three	14.5%
Four	5.9%
Five	2.4%
Six or more	2.0%

College attended is student's:

First choice	75.9%
Second choice	18.5%
Third choice	4.0%
Less than third choice	1.7%

Highest degree planned at college attended:

None	4.7%
Associate (A.A. or equivalent)	25.9%
Bachelor's (B.A., B.S.)	52.6%
Master's (M.A., M.S.)	10.3%
Ph.D. or Ed.D.	1.5%
M.D., D.O., D.D.S., or D.V.M.	1.5%
L.L.B. or J.D.	1.0%
B.D. or M.Div.	0.3%
Other	2.2%

Highest degree planned anywhere:

None	2.2%
Associate (A.A. or equivalent)	7.7%
Bachelor's (B.A., B.S.)	37.2%
Master's (M.A., M.S.)	30.1%
Ph.D. or Ed.D.	8.9%
M.D., D.O., D.D.S., or D.V.M.	6.6%
L.L.B. or J.D.	4.5%
B.D. or M.Div.	0.4%
Other	2.4%

Reasons noted as very important in deciding to go to college:

Relatives' wishes	28.6%
Could not find job	4.4%
Wanted to get away from home	7.8%
Able to get a better job	75.4%
Gain general education	68.3%
Improve reading-study skills	37.7%
Nothing better to do	1.8%
Become a more cultured person	34.0%
Able to make more money	60.4%
Learn more about things	74.0%
Meet new people	56.6%
Prepare for graduate school	44.2%

Reasons noted as very important in selecting college attended:

Relatives' wishes	5.8%
Teacher's advice	3.9%
Good academic reputation	50.7%
Offered financial assistance	14.5%
Advice of former student	13.9%
Offers special programs	25.8%
Low tuition	16.8%
Advice of guidance counselor	7.6%
Wanted to live at home	10.0%
Friend's suggestion	6.6%
College recruited him	4.2%
Not accepted elsewhere	2.7%

Distance from home to college:

5 miles or less	10.0%
6-10 miles	12.0%
11-50 miles	26.5%
51-100 miles	15.0%
101-500 miles	28.1%
More than 500 miles	8.3%

Probable major field of study:

Accounting	6.7%
Aeronautical or astronautical engr.	0.9%
Agriculture	2.3%
Anthropology	0.1%
Architecture, urban planning	1.1%
Art, fine and applied	2.0%
Arts and humanities (misc.)	0.5%
Astronomy	0.1%
Atmospheric science	0.1%
Biochemistry or biophysics	0.5%
Biological sciences (misc.)	0.7%
Biology	1.9%
Botany	0.2%
Building trades	0.6%
Business (misc.)	1.0%
Business administration	6.9%
Business education	0.2%
Chemical engineering	0.9%
Chemistry	0.9%
Civil engineering	1.2%
Communications	1.5%
Computer science	1.4%
Data processing, computer programming	1.6%
Drafting or design	0.6%
Earth science	0.3%
Economics	0.4%
Education (misc.)	0.5%
Electrical or electronic engr.	3.1%
Electronics	0.8%
Elementary education	2.4%
Engineering (misc.)	1.7%
English	1.0%
Finance	0.6%
Forestry	0.9%
Geography	0.0%
Health technology	2.4%
History	0.7%
Home economics	0.7%
Industrial engineering	0.5%
Journalism	1.4%
Language (except English)	0.5%
Law enforcement	1.8%

Probable major field—Continued

Library or archival science	0.1%
Management	4.0%
Marine science	0.3%
Marine-life science	0.6%
Marketing	1.6%
Mathematics	0.9%
Mechanical engineering	2.0%
Mechanics	0.4%
Microbiology or bacteriology	0.3%
Military science	0.1%
Music	1.5%
Music or art education	0.5%
Nursing	4.1%
Pharmacy	0.6%
Philosophy	0.1%
Physical education	2.0%
Physical science (misc.)	0.2%
Physics	0.5%
Political science	2.1%
Pre-dental, pre-medical, or pre-veterinary	3.4%
Professional (misc.)	1.5%
Psychology	2.3%
Secondary education	0.7%
Secretarial studies	3.1%
Social science (misc.)	0.3%
Social work	1.7%
Sociology	0.5%
Special education	1.7%
Speech	0.2%
Statistics	0.0%
Technical (misc.)	0.5%
Theater and drama	0.8%
Theology or religion	0.3%
Therapy	1.5%
Zoology	0.4%
Other	1.0%
Undecided	4.6%

Probable career occupation:

Accountant or actuary	6.3%
Actor or entertainer	0.9%
Architect or urban planner	1.5%
Artist	1.6%
Business (clerical)	2.5%
Business executive	9.3%
Business proprietor	2.5%
Business salesperson, buyer	1.2%
Clergy (minister, priest)	0.3%
Clergy (other religious)	0.2%
Clinical psychologist	1.0%
College teacher	0.3%
Computer programmer	3.5%
Conservationist or forester	1.4%
Dentist	1.0%
Dietitian or home economist	0.5%
Engineer	9.1%
Farmer or rancher	1.1%
Foreign-service worker	0.5%
Homemaker (full-time)	0.1%
Interior decorator	0.5%
Interpreter	0.2%
Lab technician, hygienist	1.9%
Law-enforcement officer	1.5%
Lawyer or judge	4.3%
Military service	1.1%
Musician	1.4%
Nurse	4.1%
Optometrist	0.2%
Pharmacist	0.6%
Physician	3.5%
School counselor	0.2%
School administrator	0.0%
Scientific rosearcher	2.2%
Social or recreation worker	2.3%
Statistician	0.1%
Therapist	2.0%
Teacher (elementary)	3.7%
Teacher (secondary)	2.5%
Veterinarian	1.3%
Writer or journalist	1.9%
Skilled trades	1.7%
Other occupation	7.0%
Undecided	10.6%

Current religious preference:

Baptist	13.0%
Congregational (U.C.C.)	1.9%
Eastern Orthodox	0.7%
Episcopal	3.2%
Jewish	4.0%
Latter-Day Saints	0.2%
Lutheran	5.5%
Methodist	10.3%
Muslim	0.2%
Presbyterian	5.8%
Quaker	0.2%
Roman Catholic	37.5%
Seventh Day Adventist	0.4%
Unitarian-Universalist	0.3%
Other Protestant	5.5%
Other or none	11.3%

Father's religious preference:

Baptist	13.0%
Congregational (U.C.C.)	1.9%
Eastern Orthodox	0.8%
Episcopal	3.2%
Jewish	4.6%
Latter-Day Saints	0.1%
Lutheran	5.9%
Methodist	11.0%
Muslim	0.2%
Presbyterian	6.5%
Quaker	0.2%
Roman Catholic	36.9%
Seventh Day Adventist	0.4%
Unitarian-Universalist	0.3%
Other Protestant	5.8%
Other or none	9.2%

Father's occupation:

Artist (incl. performer)	0.8%
Businessman	29.6%
Clergy or religious worker	1.1%
Doctor (M.D. or D.D.S.)	2.3%
Educator (college teacher)	0.9%
Educator (secondary)	3.3%
Educator (elementary)	0.5%
Engineer	9.2%
Farmer or forester	3.5%
Health professional (non-M.D.)	1.3%
Lawyer	1.4%
Military career	1.8%
Research scientist	0.7%
Skilled worker	11.0%
Semi-skilled worker	5.0%
Laborer (unskilled)	3.4%
Unemployed	2.4%
Other occupation	21.6%

Father's education:

Grammar school or less	5.8%
Some high school	11.4%
High school graduate	28.3%
Postsecondary other than college	4.4%
Some college	13.5%
College degree	19.8%
Some graduate school	2.5%
Graduate degree	14.1%

Mother's religious preference:

Baptist	13.4%
Congregational (U.C.C.)	2.1%
Eastern Orthodox	0.7%
Episcopal	3.6%
Jewish	4.4%
Latter-Day Saints	0.2%
Lutheran	6.0%
Methodist	11.5%
Muslim	0.2%
Presbyterian	6.8%
Quaker	0.2%
Roman Catholic	38.2%
Seventh Day Adventist	0.4%
Unitarian-Universalist	0.4%
Other Protestant	5.8%
Other or none	6.1%

Mother's occupation:

Artist (incl. performer)	1.2%
Businesswoman	7.7%
Business (clerical)	10.4%
Clergy or religious worker	0.1%
Doctor (M.D. or D.D.S.)	0.2%
Educator (college teacher)	0.3%
Educator (secondary)	2.7%
Educator (elementary)	5.6%
Engineer	0.1%
Farmer or forester	0.2%
Health professional (non-M.D.)	1.4%
Homemaker (full-time)	31.4%
Lawyer	0.1%
Nurse	1.0%
Research scientist	6.5%
Social or recreation worker	0.1%
Skilled worker	1.9%
Semi-skilled worker	3.1%
Laborer (unskilled)	2.2%
Unemployed	8.6%
Other occupation	15.2%

Mother's education:

Grammar school or less	3.7%
Some high school	9.6%
High-school graduate	41.9%
Postsecondary other than college	7.1%
Some college	14.2%
College degree	15.6%
Some graduate school	2.1%
Graduate degree	5.8%

Marital status:

Not presently married	98.8%
Married, living with spouse	1.0%
Married, not living with spouse	0.3%

Estimated parental income:

Less than $3,000	2.9%
$3,000-$3,999	1.9%
$4,000-$5,999	3.2%
$6,000-$7,999	3.8%
$8,000-$9,999	4.5%
$10,000-$12,499	8.4%
$12,500-$14,999	9.2%
$15,000-$19,999	16.2%
$20,000-$24,999	16.3%
$25,000-$29,999	9.8%
$30,000-$34,999	7.7%
$35,000-$39,999	4.6%
$40,000-$49,999	4.3%
$50,000 or more	7.0%

Concern about financing college:

No concern	34.6%
Some concern	50.6%
Major concern	14.8%

Support from parental or family aid:

None	28.2%
$1-$499	20.3%
$500-$999	11.4%
$1,000-$1,499	8.9%
$1,500-$2,000	8.1%
Over $2,000	23.0%

Support from spouse:

None	99.1%
$1-$499	0.4%
$500-$999	0.2%
$1,000-$1,499	0.1%
$1,500-$2,000	0.0%
Over $2,000	0.1%

Support from savings (summer work):

None	52.9%
$1-$499	27.0%
$500-$999	12.6%
$1,000-$1,499	4.8%
$1,500-$2,000	1.7%
Over $2,000	1.2%

Support from other savings:

None	79.5%
$1-$499	13.6%
$500-$999	3.5%
$1,000-$1,499	1.6%
$1,500-$2,000	0.7%
Over $2,000	1.1%

Support from basic educational opportunity grant:

None	78.3%
$1-$499	7.3%
$500-$999	6.1%
$1,000-$1,499	5.2%
$1,500-$2,000	2.5%
Over $2,000	0.7%

Support from supplemental educational opportunity grant:

None	94.3%
$1-$499	2.9%
$500-$999	1.7%
$1,000-$1,499	0.8%
$1,500-$2,000	0.2%
Over $2,000	0.1%

Support from college work-study grant:

None	88.8%
$1-$499	5.7%
$500-$999	4.3%
$1,000-$1,499	1.0%
$1,500-$2,000	0.2%
Over $2,000	0.1%

Support from personal GI benefits:

None	99.3%
$1-$499	0.2%
$500-$999	0.1%
$1,000-$1,499	0.1%
$1,500-$2,000	0.1%
Over $2,000	0.2%

Support from parent's GI benefits:

None	98.9%
$1-$499	0.6%
$500-$999	0.2%
$1,000-$1,499	0.1%
$1,500-$2,000	0.1%
Over $2,000	0.2%

Support from state scholarship or grant:

None	84.8%
$1-$499	8.0%
$500-$999	3.9%
$1,000-$1,499	1.9%

Support from state scholarship or grant—Continued

$1,500-$2,000	1.0%
Over $2,000	0.5%

Support from college grant:

None	87.5%
$1-$499	4.8%
$500-$999	3.3%
$1,000-$1,499	1.9%
$1,500-$2,000	1.0%
Over $2,000	1.5%

Support from local or private scholarship or grant:

None	92.6%
$1-$499	4.0%
$500-$999	1.8%
$1,000-$1,499	0.8%
$1,500-$2,000	0.4%
Over $2,000	0.4%

Support from full-time employment:

None	97.9%
$1-$499	1.0%
$500-$999	0.5%
$1,000-$1,499	0.2%
$1,500-$2,000	0.1%
Over $2,000	0.2%

Support from part-time employment:

None	75.1%
$1-$499	18.1%
$500-$999	4.7%
$1,000-$1,499	1.3%
$1,500-$2,000	0.4%
Over $2,000	0.4%

Support from federal guaranteed student loan:

None	89.6%
$1-$499	1.6%
$500-$999	1.8%
$1,000-$1,499	2.4%
$1,500-$2,000	2.3%
Over $2,000	2.2%

Support from national direct student loan:

None	92.0%
$1-$499	2.4%
$500-$999	2.6%
$1,000-$1,499	2.1%
$1,500-$2,000	0.6%
Over $2,000	0.4%

Support from college loan:

None	96.4%
$1-$499	1.0%
$500-$999	0.9%
$1,000-$1,499	0.8%
$1,500-$2,000	0.5%
Over $2,000	0.5%

Support from other loan:

None	96.3%
$1-$499	0.9%
$500-$999	0.8%
$1,000-$1,499	0.8%
$1,500-$2,000	0.6%
Over $2,000	0.6%

from Social Security dependent's benefits:

None	94.5%
$1-$499	2.6%
$500-$999	1.1%
$1,000-$1,499	0.8%
$1,500-$2,000	0.5%
Over $2,000	0.6%

Other sources of support:

None	96.1%
$1-$499	1.6%
$500-$999	0.5%
$1,000-$1,499	0.3%
$1,500-$2,000	0.2%
Over $2,000	1.3%

During past year, student:

Played a musical instrument	43.9%
Attended a religious service	85.5%

During the past year—Continued

Smoked cigarettes	13.9%
Took vitamins	58.8%
Took part in demonstrations	16.8%
Took a tranquilizer	5.1%
Wore glasses or contact lenses	46.3%
Attended a public recital or concert	81.6%
Took sleeping pills	2.9%
Jogged	24.9%
Stayed up all night	67.0%
Drank beer	73.2%
Worked in a political campaign	8.9%

Students estimate chances are very good that they will:

Change major field	12.2%
Change career choice	11.9%
Fail one or more courses	1.6%
Graduate with honors	11.4%
Be elected to student office	2.5%
Get a job to pay college costs	41.1%
Join fraternity or sorority	17.9%
Live in a coed dorm	25.6%
Be elected to an honor society	7.4%
Make at least a "B" average	41.4%
Need extra time to finish degree	4.6%
Need tutoring	9.2%
Work at outside job	23.4%
Seek vocational counseling	6.9%
Seek individual counseling	4.3%
Get a bachelor's degree	64.7%
Participate in student protests	3.1%
Drop out temporarily	1.2%
Drop out permanently	0.8%
Transfer to another college	10.9%
Be satisfied with college	55.5%
Find job in preferred field	67.4%
Marry while in college	4.8%
Marry within a year after college	15.2%

Attitudes

	All institutions			2-year colleges		4-year colleges				Universities		Predominantly black colleges	
	Men	Women	Total	Public	Private	Public	Pvt., non-sectarian	Protestant	Catholic	Public	Private	Public	Private
Student's political views.													
Far left	2.0%	1.5%	1.8%	2.2%	2.9%	1.7%	1.7%	1.5%	1.3%	1.2%	1.5%	5.2%	4.0%
Liberal	24.3%	23.0%	23.6%	21.9%	19.4%	23.3%	26.7%	20.3%	24.2%	25.4%	31.1%	26.3%	31.7%
Middle-of-the-road	53.7%	61.7%	57.8%	62.1%	60.1%	57.7%	52.2%	54.3%	59.2%	56.0%	47.2%	48.9%	46.9%
Conservative	18.9%	13.3%	16.1%	13.2%	16.4%	16.3%	18.7%	23.2%	14.7%	16.8%	19.4%	17.2%	15.5%
Far right	1.0%	0.5%	0.8%	0.7%	1.2%	1.0%	0.7%	0.8%	0.6%	0.6%	0.8%	2.4%	1.9%
Student agrees strongly or somewhat that:													
Government isn't controlling pollution	78.7%	84.2%	81.5%	80.9%	79.8%	81.6%	82.3%	81.0%	82.6%	82.1%	82.5%	76.1%	78.5%
Government isn't protecting consumer	70.3%	75.7%	73.1%	74.5%	73.4%	73.3%	72.1%	71.5%	73.6%	71.7%	70.2%	74.9%	75.6%
Federal government discourages energy use	79.3%	84.4%	81.9%	80.6%	80.2%	82.0%	82.9%	82.2%	82.5%	83.1%	83.8%	79.1%	78.4%

	All institutions			2-year colleges		4-year colleges				Universities		Predominantly black colleges	
	Men	Women	Total	Public	Private	Public	Pvt., non-sectarian	Protestant	Catholic	Public	Private	Public	Private
Student agrees that—Continued:													
Courts are too concerned with rights of criminals	70.3%	60.6%	65.4%	67.0%	65.8%	65.8%	63.2%	64.4%	62.7%	65.1%	60.1%	49.7%	49.6%
More money is needed to solve urban problems	49.1%	47.9%	48.5%	50.8%	51.6%	49.1%	46.8%	45.0%	48.4%	45.7%	45.8%	63.1%	63.5%
People should not obey laws that violate their beliefs	34.1%	30.3%	32.2%	33.5%	33.0%	30.8%	33.1%	32.2%	32.0%	30.7%	32.5%	39.3%	39.4%
Death penalty should be abolished	26.8%	38.2%	32.6%	31.1%	31.8%	32.3%	35.4%	33.0%	39.7%	32.2%	36.1%	55.1%	53.6%
Government should provide a health-care plan	58.6%	62.6%	60.7%	65.6%	62.8%	61.1%	58.3%	54.0%	62.2%	55.4%	54.4%	75.2%	74.8%
Energy shortage is causing an economic depression	80.1%	82.1%	81.1%	80.9%	82.7%	81.4%	80.6%	81.6%	79.7%	81.0%	81.4%	81.2%	81.4%
Abortion should be legalized	56.5%	56.9%	56.7%	57.9%	53.2%	55.9%	56.4%	47.9%	34.1%	60.7%	64.6%	58.6%	60.3%
Grading in high school is too easy	63.3%	64.0%	63.7%	59.2%	56.0%	64.8%	68.1%	67.7%	60.8%	67.2%	70.4%	43.3%	51.5%
Women's activities should be confined to the home	35.5%	19.6%	27.3%	30.0%	31.0%	27.5%	26.8%	32.0%	25.1%	22.9%	20.5%	37.4%	34.4%
Couples should live together before marriage	52.3%	39.6%	45.8%	51.8%	37.7%	44.2%	43.4%	30.2%	35.5%	45.6%	47.6%	49.7%	49.6%
Large families should be discouraged	53.1%	42.7%	47.8%	46.1%	44.4%	47.1%	50.5%	48.4%	33.6%	51.6%	54.3%	35.8%	34.0%
Divorce laws should be liberalized	51.5%	45.8%	48.6%	53.1%	45.8%	48.9%	43.9%	35.1%	38.6%	48.4%	48.9%	58.6%	58.9%
All right for people who like each other to have sex	65.5%	32.5%	48.6%	53.6%	37.6%	47.5%	45.7%	33.2%	35.5%	50.7%	51.9%	54.4%	52.0%
Women should have job equality	88.7%	96.6%	92.7%	91.3%	91.7%	93.3%	93.6%	91.8%	93.1%	94.0%	95.2%	90.2%	90.8%
The wealthy should pay a larger share of taxes	75.2%	71.8%	73.4%	76.1%	70.3%	74.7%	70.4%	70.0%	72.7%	72.6%	66.3%	75.1%	75.3%
Marijuana should be legalized	52.1%	47.1%	49.5%	53.6%	43.5%	46.7%	47.0%	34.5%	45.4%	52.5%	52.1%	46.7%	50.1%
It is all right to bus to achieve balance	39.2%	43.7%	41.5%	47.0%	46.3%	40.8%	39.8%	39.5%	39.7%	34.8%	36.8%	72.7%	68.7%
Homosexual relations should be prohibited	54.4%	38.5%	46.3%	48.7%	56.4%	48.3%	43.7%	55.1%	43.5%	40.5%	33.6%	51.1%	44.5%
College has right to regulate off-campus behavior	15.8%	13.3%	14.5%	15.8%	18.2%	14.3%	17.0%	19.4%	12.9%	10.6%	11.2%	28.5%	27.1%
Students should help evaluate faculty	71.6%	73.0%	72.3%	70.5%	67.8%	72.5%	73.7%	70.9%	72.1%	74.9%	76.5%	65.8%	66.4%
College grades should be abolished	17.8%	14.1%	15.9%	17.4%	19.1%	15.8%	15.0%	15.3%	15.1%	14.3%	13.3%	23.4%	21.6%
De-emphasize organized sports	27.7%	25.5%	26.6%	26.6%	28.7%	25.7%	29.2%	28.5%	26.8%	24.6%	30.2%	33.7%	31.9%
Regulate student publications	35.1%	36.7%	35.9%	40.5%	46.6%	35.5%	33.8%	44.7%	35.0%	27.9%	24.3%	55.3%	50.1%
College has the right to ban speakers	26.9%	23.4%	25.1%	27.1%	29.8%	25.1%	25.5%	31.0%	23.7%	20.5%	19.8%	31.8%	30.1%
Preferential treatment for the disadvantaged	36.2%	34.8%	35.5%	39.2%	43.9%	35.8%	33.8%	38.4%	31.7%	29.4%	28.9%	62.2%	60.6%
Adopt open admissions at public colleges	33.6%	30.9%	32.2%	39.7%	36.7%	30.0%	27.8%	31.6%	32.3%	25.7%	21.8%	48.7%	44.8%
Same degree standards should be used for all	79.3%	76.3%	77.8%	76.9%	75.3%	77.4%	78.1%	77.7%	78.6%	79.1%	80.9%	74.2%	75.6%
Objectives student considers essential or very important:													
Achieving in a performing art	11.0%	14.5%	12.8%	10.0%	14.4%	13.8%	15.7%	15.6%	13.5%	12.5%	18.6%	17.7%	18.9%
Becoming an authority in his field	75.3%	70.0%	72.6%	68.8%	71.7%	75.4%	72.8%	71.7%	72.5%	75.5%	75.9%	79.3%	81.7%
Obtaining recognition from colleagues	53.4%	47.3%	50.3%	46.7%	48.8%	52.8%	49.7%	46.5%	52.0%	53.3%	56.1%	63.4%	63.3%
Influencing the political structure	17.9%	11.4%	14.6%	10.8%	12.7%	15.9%	17.6%	15.9%	16.9%	15.9%	21.6%	24.1%	26.2%
Influencing social values	28.6%	33.6%	31.1%	27.4%	36.2%	32.0%	35.2%	37.3%	35.7%	30.3%	34.8%	41.9%	45.0%
Raising a family	61.8%	61.9%	61.8%	60.7%	63.8%	61.4%	62.6%	66.6%	66.4%	61.1%	62.3%	53.3%	57.5%
Having administrative responsibility	38.6%	32.7%	35.6%	36.0%	37.0%	37.1%	32.2%	32.0%	35.5%	35.8%	33.3%	45.6%	45.3%
Being very well-off financially	67.1%	52.7%	59.7%	62.2%	59.6%	60.9%	53.1%	49.6%	53.8%	61.1%	58.0%	75.5%	74.0%
Helping others who are in difficulty	56.9%	73.7%	65.5%	61.3%	71.0%	67.1%	69.2%	71.0%	72.8%	64.5%	68.8%	74.4%	75.9%
Making a theoretical contribution to science	17.8%	11.5%	14.5%	12.5%	9.6%	14.0%	16.1%	12.5%	13.9%	17.6%	21.9%	19.1%	24.2%
Writing original works	10.7%	14.6%	12.7%	9.5%	13.1%	13.1%	17.0%	14.1%	14.4%	13.6%	18.7%	16.4%	19.9%
Creating an artistic work	10.9%	17.1%	14.1%	12.5%	16.6%	13.9%	17.5%	14.5%	14.4%	14.4%	16.2%	16.7%	17.8%
Being successful in his own business	55.7%	40.6%	47.9%	50.1%	50.5%	46.3%	46.4%	46.5%	44.9%	47.5%	46.6%	61.8%	63.8%
Helping to clean up environment	28.9%	26.2%	27.5%	26.9%	27.8%	27.7%	28.5%	27.0%	26.3%	28.3%	27.9%	35.2%	34.9%
Developing a philosophy of life	53.8%	59.1%	56.5%	49.2%	58.2%	57.2%	63.0%	62.9%	62.5%	59.7%	66.2%	63.9%	68.2%
Participating in community action	23.9%	29.5%	26.7%	21.7%	32.4%	28.4%	29.8%	30.7%	31.9%	27.8%	31.5%	41.4%	45.2%
Promoting racial understanding	29.7%	37.7%	33.8%	27.6%	37.0%	37.1%	40.8%	38.8%	38.5%	32.9%	42.0%	64.2%	69.1%
Keeping up with political affairs	41.4%	32.1%	36.6%	27.5%	29.1%	38.9%	43.1%	39.4%	41.7%	42.3%	53.0%	41.3%	49.0%

SOURCE: "THE AMERICAN FRESHMAN: NATIONAL NORMS FOR FALL, 1978," BY ALEXANDER W. ASTIN, PUBLISHED BY AMERICAN COUNCIL ON EDUCATION AND UNIVERSITY OF CALIFORNIA AT LOS ANGELES

Faculty Members and Administrators

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Administrators' Salaries in Academic 1978-79

	Public institutions		Private institutions		All institutions	
	Median salary	No. of persons	Median salary	No. of persons	Median salary	No. of persons
Chief executive of a system	$45,675	155	$55,100	48	$47,432	204
Chief executive of a single institution	41,500	571	37,500	514	40,000	1,085
Executive vice-president	37,290	160	30,500	124	35,968	285
Chief academic officer	35,000	629	28,000	511	32,000	1,141
Chief planning officer	31,086	184	25,000	88	29,750	273
Chief business officer	31,860	650	26,500	501	29,500	1,151
Chief budgeting officer	25,944	235	24,337	70	25,400	306
Chief development officer	27,570	205	26,000	364	26,748	569
Chief public-relations officer	22,800	308	17,000	302	20,000	610
Director, alumni affairs	19,585	216	15,500	349	17,000	566
Chief health-professions officer	39,397	73	31,537	36	37,857	109
Chief student-affairs officer	30,044	617	21,950	493	26,500	1,111
Registrar	22,392	465	16,426	477	19,600	943
Director, admissions	22,450	405	19,000	445	21,000	850
Director, student financial aid	20,526	560	15,300	451	18,020	1,011
Director, student placement	20,500	395	15,270	323	18,119	719
Director, student counseling	23,085	488	17,700	258	21,475	746
Director, student union	20,900	340	14,000	173	18,600	514
Director, student health services	32,700	282	14,175	196	24,000	479
Director, student housing	19,465	254	14,000	266	16,800	521
Director, food services	20,640	208	17,700	181	18,800	390
Director, physical plant	23,738	576	18,000	474	21,048	1,050
Director, purchasing	19,868	417	16,000	198	18,876	616
Director, bookstore	16,300	416	11,687	352	14,073	769
Director, campus security	19,000	410	14,250	239	16,899	650
Director, legal services	29,190	91	30,484	33	29,650	125
Director, personnel/human resources	23,922	335	18,900	148	22,620	484
Director, affirmative action/equal employment	21,580	258	21,000	61	21,500	319
Director, library services	25,435	616	18,275	532	22,102	1,149
Director, computer center	25,000	465	20,340	264	23,500	730
Director, information systems	26,498	131	23,600	62	25,838	193
Director, information office	20,313	280	16,550	162	19,000	442
Director, community services	24,379	241	17,775	57	23,582	299
Director, institutional research	25,000	308	20,500	105	24,150	414
Comptroller	25,000	346	20,560	308	23,326	655
Director, athletics	26,364	413	20,500	331	23,793	745
Chief development and public relations officer	28,728	82	26,200	103	27,500	186
Chief planning and budget officer	34,254	46	30,375	37	32,700	83
Director, admissions and financial aid	20,976	48	20,820	55	20,976	104

faculty members and administrators

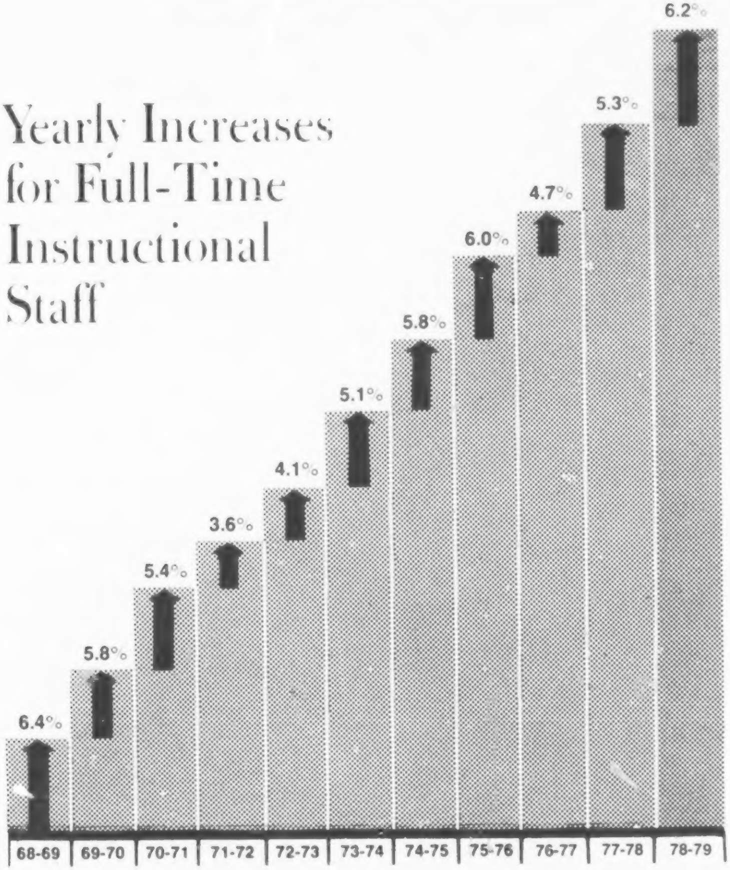
	Public institutions		Private institutions		All institutions	
	Median salary	No. of persons	Median salary	No. of persons	Median salary	No. of persons
Director, housing and food services	25,100	35	25,000	19	25,000	54
Director, personnel and affirmative action	22,877	125	19,200	75	21,600	200
Director, development and alumni affairs	25,710	38	25,000	28	25,710	66
Director of admissions and registrar	25,560	113	16,700	34	23,600	147
Registrar and some other position (except admissions)	24,468	18	14,300	24	18,500	42
Director of financial aid and some other position (except admissions)	22,250	22	14,500	19	19,790	41
Director, student counseling and placement	18,300	11	16,500	17	16,800	28
Director of student placement and some other position (except counseling)	19,790	9	17,380	6	19,000	15
Director of housing and some other position (except food services)	19,000	7	14,850	15	16,091	22
Director of personnel and some other position (except affirmative action)	21,029	17	20,380	7	20,380	24
Director of affirmative action and some other position (except personnel)	22,615	14	n/a	n/a	22,615	16
Dean, architecture	39,750	40	39,500	11	39,750	52
Dean, agriculture	35,976	77	n/a	n/a	35,976	80
Dean, arts and letters	33,192	60	18,350	19	30,841	79
Dean, arts and sciences	34,008	210	32,925	96	33,972	307
Dean, business	32,970	361	31,200	130	32,436	492
Dean, communications	28,728	69	19,375	26	27,595	95
Dean, continuing education	28,517	315	22,100	154	26,896	469
Dean, dentistry	50,940	34	51,500	16	51,500	50
Dean, education	35,508	258	25,200	95	34,000	353
Dean, engineering	37,700	146	39,000	55	38,700	202
Dean, extension	31,524	73	26,600	19	30,852	93
Dean, fine arts	32,712	103	23,100	52	31,500	155
Dean, graduate programs	35,772	229	30,000	105	34,668	335
Dean, health-related professions	28,500	138	23,187	21	28,000	159
Dean, home economics	34,000	54	13,112	11	32,004	66
Dean, humanities	27,091	114	19,850	54	25,000	168
Dean, instruction	28,050	36	21,000	5	27,769	41
Dean, law	47,000	50	48,000	52	48,000	103
Dean, library and information sciences	30,249	75	20,489	11	30,000	86
Dean, medicine	62,500	52	70,000	18	63,500	70
Dean, music	31,474	50	26,472	44	29,056	94
Dean, nursing	30,700	184	28,500	51	30,000	235
Dean, occupation studies/vocational education/technology	27,300	177	17,200	8	27,062	185
Dean, pharmacy	45,000	43	37,300	7	44,390	50
Dean, public health	45,500	12	35,000	7	45,500	19
Dean, sciences	29,735	170	21,714	62	27,580	232
Dean, social sciences	27,983	131	18,789	56	25,717	187
Dean, social work	36,040	54	26,250	20	35,976	74
Dean, special programs	24,863	61	21,500	30	24,087	91
Dean, undergraduate programs	34,296	22	28,226	17	32,712	39
Dean, veterinary medicine	47,800	12	n/a	n/a	48,746	15

n/a—Not applicable

SOURCE: COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION

The Cost of Living and Academic Salaries

Yearly Increases for Full-Time Instructional Staff



During the 1978-79 academic year, average faculty salaries rose 6.2 per cent over the previous year while consumer prices rose 9 per cent in calendar year 1978.

SOURCES: FOR 1978-79, NATIONAL CENTER FOR EDUCATION STATISTICS; FOR EARLIER YEARS: AMERICAN ASSOCIATION OF UNIVERSITY PROFESSORS

Average Faculty Salaries, 1978-79

	Total	1-year change	Universities	4-year colleges	2-year colleges
All ranks	$19,266	+6.2%	$21,723	$18,499	$18,297
Men	20,208	+6.4%	22,690	19,308	19,083
Women	16,667	+5.6%	17,544	16,220	16,890
Professors	25,593	+5.3%	28,334	24,023	22,510
Men	25,845	+5.3%	28,479	24,191	22,610
Women	23,445	+5.3%	26,004	22,842	22,196
Associate professors	19,585	+5.5%	20,796	18,984	19,742
Men	19,768	+5.6%	20,919	19,165	19,914
Women	18,811	+5.4%	20,085	18,241	19,331
Assistant professors	16,112	+5.5%	16,802	15,719	16,646
Men	16,355	+5.6%	17,011	15,960	16,907
Women	15,629	+5.4%	16,303	15,253	16,233
Instructors	13,109	+5.4%	13,438	12,791	13,688
Men	13,379	+5.6%	13,667	13,053	13,981
Women	12,859	+5.3%	13,236	12,554	13,394
Lecturers	14,123	+4.0%	14,827	13,464	13,001
Men	14,865	+3.7%	15,579	14,121	13,826
Women	13,219	+4.7%	13,848	12,687	12,256
No academic rank	18,570	+6.7%	18,874	14,753	18,764
Men	19,410	+7.5%	20,474	15,371	19,619
Women	17,009	+5.1%	15,794	13,492	17,179

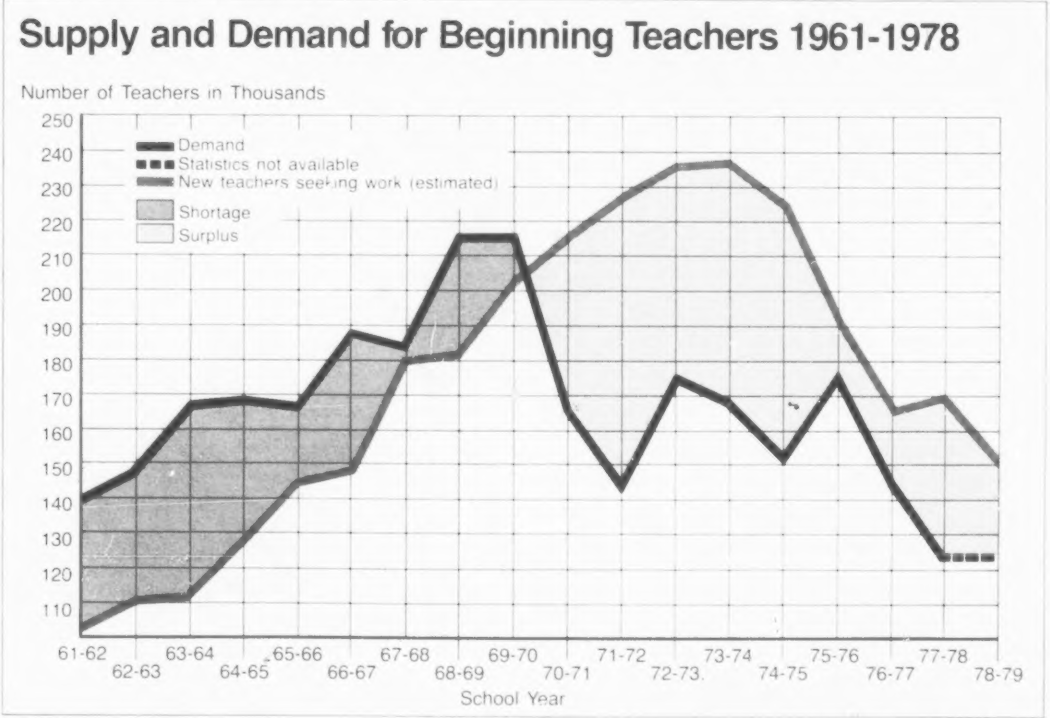
State by State

	Public institutions	Private institutions	All institutions
Alabama	$17,588	$13,564	$17,106
Alaska	n/a	n/a	n/a
Arizona	21,244	16,430	21,063
Arkansas	16,789	14,533	16,458
California	22,760	20,833	22,476
Colorado	17,078	17,299	17,106
Connecticut	21,779	19,332	21,062
Delaware	21,521	15,048	21,019
District of Columbia	n/a	21,298	21,298
Florida	18,615	16,855	18,270
Georgia	18,145	16,019	17,640
Hawaii	n/a	14,621	14,621
Idaho	18,145	13,911	17,952
Illinois	19,340	20,469	19,763
Indiana	19,836	16,267	18,848
Iowa	19,489	16,294	18,254
Kansas	18,667	12,798	17,851
Kentucky	18,281	14,533	17,566
Louisiana	17,500	17,429	17,487
Maine	16,894	17,326	17,038
Maryland	19,917	20,068	19,949
Massachusetts	17,764	20,449	19,797
Michigan	20,170	17,438	19,549
Minnesota	18,763	17,482	18,060
Mississippi	16,481	12,404	16,057
Missouri	n/a	12,029	12,029
Montana	18,050	14,453	17,482
Nebraska	18,344	14,847	17,724
Nevada	16,787	n/a	16,787
New Hampshire	14,759	18,173	17,563
New Jersey	21,552	21,399	21,512
New Mexico	19,897	13,142	19,872
New York	n/a	20,252	20,252
North Carolina	18,572	15,459	17,828
North Dakota	17,788	13,291	17,555
Ohio	20,192	17,688	19,399
Oklahoma	17,729	14,508	17,430
Oregon	19,358	18,033	19,037
Pennsylvania	20,684	17,841	19,422
Rhode Island	20,408	21,220	20,735
South Carolina	14,989	14,434	14,738
South Dakota	16,843	13,977	16,068
Tennessee	17,921	16,373	17,327
Texas	19,333	17,614	19,027
Utah	20,208	14,583	20,034
Vermont	n/a	n/a	n/a
Virginia	17,923	16,003	17,038
Washington	20,303	16,903	19,657
West Virginia	17,215	14,259	16,752
Wisconsin	20,236	17,559	19,844
Wyoming	19,842	—	19,842
U. S. service schools	29,523	—	29,523
Outlying areas	17,155	12,669	14,372
Total U. S.	$19,661	$18,265	$19,266

NOTE: These are preliminary data based on a 67-per-cent response. Some major systems—e.g., State University of New York and City University of New York—are not included. The figures include full-time instructional staff on nine-month contracts.
n/a—Data not available.

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Job Market for Teachers



SOURCE: FRANK MORRA, JR., AND NATIONAL CENTER FOR EDUCATION STATISTICS

The supply of teachers, as shown above, is adjusted to show the estimated number who are seeking positions, rather than the total number of teacher-education graduates.

Pct. of Faculty Members With Tenure, 1978-79

Public Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change
Professors	96.7%	96.8%	+0.1%	95.7%	95.6%	−0.1%	97.7%	97.7%	+0.0%	96.2%	96.3%	+0.1%
Men	96.8%	96.9%	+0.1%	95.7%	95.6%	−0.1%	97.6%	97.4%	−0.2%	96.3%	96.3%	+0.0%
Women	94.4%	95.2%	+0.8%	95.6%	96.0%	+0.4%	98.2%	98.6%	+0.4%	95.6%	96.1%	+0.5%
Associate professors	85.5%	85.2%	−0.3%	83.0%	83.3%	+0.3%	93.3%	92.6%	−0.7%	85.1%	85.1%	+0.0%
Men	85.9%	85.4%	−0.5%	83.2%	83.5%	+0.3%	93.4%	93.9%	+0.5%	85.2%	85.3%	+0.1%
Women	82.9%	83.5%	+0.6%	82.2%	82.7%	+0.5%	93.2%	89.6%	−3.6%	84.4%	84.2%	−0.2%
Assistant professors	19.9%	19.6%	−0.3%	37.2%	37.1%	−0.1%	62.7%	60.9%	−1.8%	35.4%	34.9%	−0.5%
Men	18.2%	17.9%	−0.3%	36.0%	36.1%	−0.1%	64.2%	63.2%	−1.0%	33.8%	33.4%	−0.4%
Women	24.3%	23.7%	−0.6%	39.5%	39.1%	−0.4%	60.1%	57.3%	−2.8%	38.9%	37.9%	−1.0%
Instructors	5.8%	5.8%	+0.0%	12.1%	11.2%	−0.9%	20.1%	19.1%	−1.0%	12.7%	12.0%	−0.7%
Men	5.6%	5.5%	−0.1%	12.6%	11.6%	−1.0%	21.5%	20.3%	−1.2%	13.5%	12.5%	−1.0%
Women	6.0%	6.1%	+0.1%	11.6%	10.8%	−0.8%	18.8%	18.0%	−0.8%	12.1%	11.5%	−0.6%
Lecturers	5.6%	4.8%	−0.8%	0.4%	0.5%	+0.1%	3.4%	10.2%	+6.8%	3.3%	3.3%	+0.0%
Men	6.4%	6.2%	−0.2%	0.7%	0.7%	+0.0%	6.7%	7.9%	+1.2%	4.1%	3.9%	−0.2%
Women	4.4%	3.1%	−1.3%	0.0%	0.3%	+0.3%	1.2%	12.0%	+10.8%	2.3%	2.5%	+0.2%
No academic rank	2.4%	2.3%	−0.1%	0.0%	1.1%	+1.1%	76.7%	78.8%	+2.1%	75.5%	77.6%	+2.1%
Men	3.4%	3.2%	−0.2%	0.0%	1.9%	+1.9%	80.4%	82.3%	+1.9%	79.2%	81.0%	+1.8%
Women	0.0%	0.0%	+0.0%	0.0%	0.0%	+0.0%	69.2%	71.9%	+2.7%	68.1%	70.7%	+2.6%
All ranks	63.6%	64.3%	+0.7%	62.9%	63.9%	+1.0%	71.7%	73.4%	+1.7%	65.3%	66.4%	+1.1%
Men	68.8%	69.7%	+0.9%	67.8%	69.0%	+1.2%	76.0%	77.9%	+1.9%	69.9%	71.1%	+1.2%
Women	39.8%	40.4%	+0.6%	48.5%	49.2%	+0.7%	63.4%	64.9%	+1.5%	51.7%	52.5%	+0.8%

Private Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change
Professors	97.0%	97.4%	+0.4%	93.6%	93.6%	+0.0%	90.4%	89.1%	−1.3%	94.8%	94.9%	+0.1%
Men	97.0%	97.4%	+0.4%	93.8%	93.7%	−0.1%	88.5%	88.9%	+0.4%	95.0%	95.1%	+0.1%
Women	97.5%	96.8%	−0.7%	92.1%	92.5%	+0.4%	96.6%	89.7%	−6.9%	93.2%	93.3%	+0.1%
Associate professors	73.8%	75.7%	+1.9%	77.4%	77.6%	+0.2%	80.8%	82.8%	+2.0%	76.5%	77.2%	+0.7%
Men	73.8%	75.8%	+2.0%	77.6%	78.1%	+0.5%	81.3%	85.0%	+3.7%	76.6%	77.6%	+1.0%
Women	73.7%	75.4%	+1.7%	76.6%	75.6%	−1.0%	79.7%	78.1%	−1.6%	76.0%	75.6%	−0.4%
Assistant professors	10.7%	12.8%	+2.1%	24.3%	22.7%	−1.6%	36.9%	32.4%	−4.5%	21.3%	20.5%	−0.8%
Men	9.8%	12.6%	+2.8%	24.1%	22.3%	−1.8%	40.5%	39.2%	−1.3%	20.9%	20.1%	−0.8%
Women	12.8%	13.2%	+0.4%	24.5%	23.4%	−1.1%	32.8%	24.4%	−8.4%	22.2%	21.3%	−0.9%
Instructors	2.8%	2.8%	+0.0%	2.7%	2.7%	+0.0%	8.0%	7.0%	−1.0%	3.0%	2.9%	−0.1%
Men	2.7%	3.7%	+1.0%	2.8%	3.2%	+0.4%	9.1%	6.3%	−2.8%	3.0%	3.4%	+0.4%
Women	2.9%	1.9%	−1.0%	2.6%	2.2%	−0.4%	7.0%	7.5%	+0.5%	2.9%	2.4%	−0.5%
Lecturers	1.7%	2.1%	+0.4%	3.2%	0.6%	−2.6%	0.0%	0.0%	+0.0%	2.1%	1.7%	−0.4%
Men	2.1%	2.0%	−0.1%	4.4%	1.2%	−3.2%	0.0%	0.0%	+0.0%	2.7%	1.8%	−0.9%
Women	1.1%	2.3%	+1.2%	1.5%	0.0%	−1.5%	0.0%	0.0%	+0.0%	1.2%	1.6%	+0.4%

faculty members and administrators

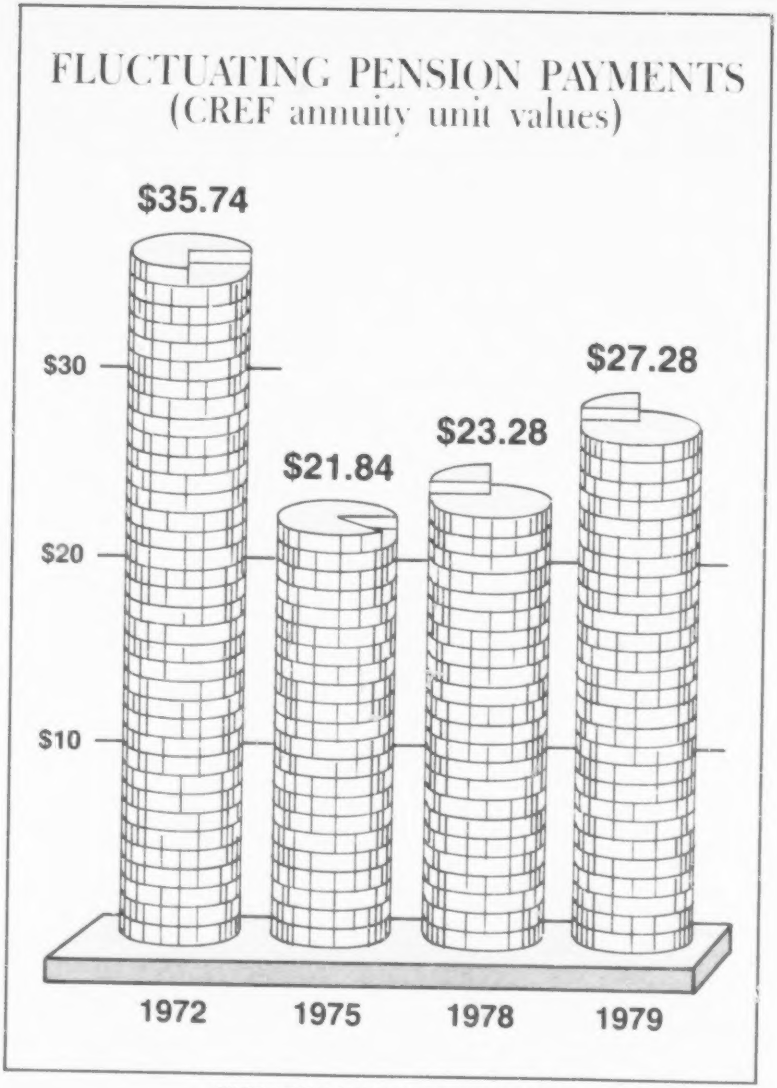
	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change
No academic rank	0.0%	0.0%	+0.0%	38.9%	37.6%	-1.3%	47.2%	50.6%	+3.4%	37.9%	39.2%	+1.3%
Men	0.0%	0.0%	+0.0%	39.7%	39.6%	-0.1%	49.6%	54.1%	+4.5%	38.8%	41.6%	+2.8%
Women	0.0%	0.0%	+0.0%	37.2%	33.0%	-4.2%	43.5%	45.1%	+1.6%	36.1%	34.9%	-1.2%
All ranks	58.8%	60.5%	+1.7%	55.1%	55.0%	-0.1%	46.8%	46.4%	-0.4%	55.9%	56.2%	+0.3%
Men	64.2%	66.1%	+1.9%	60.2%	60.6%	+0.4%	52.6%	53.1%	+0.5%	61.2%	62.0%	+0.8%
Women	33.8%	35.0%	+1.2%	39.8%	38.9%	-0.9%	38.3%	36.7%	-1.6%	38.5%	38.1%	-0.4%

All Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change	1977-78	1978-79	Per cent change
Professors	96.8%	97.0%	+0.2%	94.9%	94.9%	+0.0%	97.3%	97.2%	-0.1%	95.8%	95.8%	+0.0%
Men	96.9%	97.1%	+0.2%	95.0%	94.9%	-0.1%	97.1%	97.0%	-0.1%	95.9%	95.9%	+0.0%
Women	95.2%	95.6%	+0.4%	94.3%	94.7%	+0.4%	98.1%	98.1%	+0.0%	94.8%	95.2%	+0.4%
Associate professors	82.8%	83.0%	+0.2%	80.9%	91.2%	+0.3%	92.8%	92.2%	-0.6%	82.5%	82.7%	+0.2%
Men	83.1%	83.2%	+0.1%	81.2%	81.5%	+0.3%	92.8%	93.5%	+0.7%	82.7%	83.0%	+0.3%
Women	80.5%	81.5%	+1.0%	80.0%	79.9%	-0.1%	92.7%	89.1%	-3.6%	81.8%	81.6%	-0.2%
Assistant professors	17.6%	17.9%	+0.3%	32.2%	31.4%	-0.8%	61.6%	59.7%	-1.9%	31.0%	30.3%	-0.7%
Men	16.1%	16.6%	+0.5%	31.4%	30.5%	-0.9%	63.4%	62.3%	-1.1%	29.7%	29.1%	-0.6%
Women	21.3%	21.1%	-0.2%	33.8%	33.0%	-0.8%	58.7%	55.6%	-3.1%	33.7%	32.7%	-1.0%
Instructors	5.2%	5.2%	+0.0%	8.5%	7.8%	-0.7%	19.4%	18.3%	-1.1%	10.0%	9.3%	-0.7%
Men	5.0%	5.1%	+0.1%	8.7%	8.2%	-0.5%	20.7%	19.4%	-1.3%	10.4%	9.7%	-0.7%
Women	5.4%	5.2%	-0.2%	8.3%	7.5%	-0.8%	18.0%	17.2%	-0.8%	9.6%	8.9%	-0.7%
Lecturers	4.5%	4.1%	-0.4%	0.8%	0.5%	-0.3%	3.3%	9.5%	+6.2%	3.0%	2.9%	-0.1%
Men	5.2%	4.9%	-0.3%	1.3%	0.7%	-0.6%	6.7%	7.9%	+1.2%	3.8%	3.4%	-0.4%
Women	3.4%	2.9%	-0.5%	0.2%	0.2%	+0.0%	1.1%	10.5%	+9.4%	2.0%	2.3%	+0.3%
No academic rank	1.3%	1.4%	+0.1%	31.7%	29.3%	-2.4%	75.9%	78.1%	+2.2%	73.4%	75.5%	+2.1%
Men	1.9%	2.0%	+0.1%	33.3%	32.0%	-1.3%	79.7%	81.7%	+2.0%	77.0%	79.0%	+2.0%
Women	0.0%	0.0%	+0.0%	28.4%	23.8%	-4.6%	68.4%	71.1%	+2.7%	66.2%	68.7%	+2.5%
All ranks	62.4%	63.4%	+1.0%	59.9%	60.5%	+0.6%	70.8%	72.4%	+1.6%	62.7%	63.5%	+0.8%
Men	67.7%	68.8%	+1.1%	64.9%	65.8%	+0.9%	75.3%	77.1%	+1.8%	67.5%	68.5%	+1.0%
Women	38.3%	39.0%	+0.7%	45.2%	45.3%	+0.1%	62.4%	63.8%	+1.4%	48.2%	48.7%	+0.5%

NOTE: These are preliminary data based on a 67-per-cent response. Some major systems, including State University of New York and City University of New York, are not included.

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS



FLUCTUATING PENSION PAYMENTS
(CREF annuity unit values)

SOURCE: COLLEGE RETIREMENT EQUITIES FUND AND NEW YORK STOCK EXCHANGE

The CREF Portfolio

Following is a list of investments of faculty pension funds by the College Retirement Equities Fund, showing the shares held and the market value at the end of the 1977 and 1978 calendar years.

The total return from the common-stock investments of C.R.E.F. in 1978 was 8.68 per cent, a substantial gain over the 6.4% loss in 1977. The price of a share in the C.R.E.F. fund (accumulation unit) increased from $38.21 to $39.44. Since the value of annuity units raises or lowers monthly checks of persons receiving C.R.E.F. pensions, the fund's substantial gain led to an increase of 17.18% in pension benefits for the next 12 months.

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Aerospace				
Beech Aircraft	233,310	$5,745,259	340,000	$9,010,000
Conv. deb., 4.75% 8/1/93	(par value $5,338,000)	6,859,330	—	—
Bendix	350,000	12,731,250	250,000	9,156,250
Cessna Aircraft	846,200	15,654,700	119,200	3,814,400
Martin Marietta	725,000	21,750,000	475,000	11,459,375
Raytheon	200,000	9,300,000	200,000	6,800,000
Rockwell International	373,000	13,288,125	—	—
TRW	—	—	250,000	8,125,000
$4.40 cum. conv. pfd. b.	58,100	4,764,200	—	—
United Technologies	319,200	12,408,900	351,000	12,592,125
$3.875 cum. conv. pfd.	24,000	1,332,000	—	—
Subtotals		**$103,833,764**		**$60,957,150**
Air transport				
Delta Air Lines	150,000	$6,262,500	200,000	$8,000,000
Northwest Airlines	200,000	5,700,000	272,000	6,426,000
Tiger International	—	—	347,000	5,682,125
UAL	—	—	500,000	10,437,500
Subtotals		**$11,962,500**		**$30,545,625**
Aluminum				
Alcan Aluminium	675,000	$22,865,625	159,900	$4,197,375
Aluminum Company of America	525,000	25,068,750	476,900	22,235,462
Kaiser Aluminum & Chemical	600,984	10,517,220	300,492	9,240,129
Kaiser Industries	100,000	200,000	100,000	462,500
Reynolds Metal	300,000	9,787,500	43,400	1,401,838
Subtotals		**$68,439,095**		**$37,537,304**
Banks				
Citicorp	1,815,000	42,652,500	1,705,000	39,001,875
Continental Illinois	377,000	9,849,125	354,500	9,615,812
First Chicago	765,000	14,535,000	765,000	14,152,500
Banks (continued)				
First City Bancorporation of Texas	215,000	7,121,875	215,000	6,826,250
Manufacturers Hanover	341,000	10,912,000	341,000	11,380,875
Mercantile Texas	299,000	7,475,000	215,000	5,805,000
Texas Commerce Bancshares	—	—	176,000	6,468,000
Texas Commerce Bancshares-American General Insurance conv. deb. 6.5% 6/15/94	(par value $7,586,000)	6,941,190	(par value $700,000)	701,750
Wells Fargo	500,000	13,562,500	500,000	13,437,500
Subtotals		**$146,524,190**		**$136,964,562**
Beverage				
Coca-Cola	1,205,200	$52,878,150	646,000	$24,063,500
PepsiCo	330,500	8,469,063	676,900	18,953,200
Conv. deb. 4.75% 8/1/96	(par value $10,771,000)	13,571,460	(par value $3,446,000)	4,540,105
Subtotals		**$74,918,673**		**$47,556,805**
Business Services				
Automatic Data Processing	230,000	$ 6,756,250	190,000	$ 5,486,250
Avery International	—	—	390,000	6,191,250
Deluxe Check Printers	200,000	6,000,000	200,000	5,250,000
Electronic Data Systems	266,200	5,057,800	255,000	4,143,750
Purolator	200,000	5,000,000	200,000	4,350,000
Subtotals		**$22,814,050**		**$25,421,250**
Broadcasters				
CBS	364,000	$ 18,473,000	339,000	$ 16,865,250
Subtotals		**$18,473,000**		**$16,865,250**
Chemicals				
Allied Chemical	725,472	$20,675,952	494,802	$21,894,989
Diamond Shamrock	570,000	10,972,500	—	—
Dow Chemical	450,000	11,306,250	900,000	24,075,000
Du Pont	243,729	30,953,583	202,729	24,403,503
Economics Laboratory	—	—	200,000	4,525,000
Hercules	—	—	355,700	5,602,275
International Minerals				

faculty members and administrators

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Chemicals (continued)				
& Chemicals	550,000	19,387,500	300,000	12,225,000
Monsanto	614,100	28,862,700	349,400	20,134,175
Nalco Chemical	200,000	5,350,000	200,000	5,300,000
National Chemsearch	—	—	211,300	4,120,350
National Starch & Chemical	—	—	100,000	6,575,000
Raychem	—	—	177,000	9,558,000
Stauffer Chemical	480,000	18,660,000	400,000	14,550,000
Union Carbide	408,308	13,882,472	400,000	16,450,000
Subtotals		**$160 050,957**		**$169,413,292**
Construction materials & homebuilders				
Armstrong Cork	350,300	$5,648,588	—	—
Congoleum	452,800	9,282,400	129,400	$2,782,100
Jim Walter	300,000	8,025,000	187,600	5,815,600
Subtotals		**$22,955,988**		**$8,597,700**
Construction & mining equipment				
Bucyrus-Erie	150,000	$2,325,000	300,000	$6,450,000
Caterpillar Tractor	832,800	48,927,000	720,000	39,510,000
Conv.deb. 5.5% 6/30/00	(par value $3,350,000)	4,020,000	—	—
Hyster	20,000	645,000	—	—
Subtotals		**$55,917,000**		**$45,960,000**
Containers				
Continental Group	455,000	$12,285,000	220,000	$7,480,000
Crown Cork & Seal	231,000	6,930,000	500,000	12,500,000
Owens-Illinois	245,000	4,379,375	245,000	5,849,375
Subtotals		**$23,594,375**		**$25,829,375**
Cosmetics				
Avon Products	665,000	$33,748,750	450,000	$21,656,250
Gillette	540,600	14,123,175	300,000	7,387,500
International Flavors & Fragrances	370,000	8,741,250	370,000	8,463,750
Revlon	71,700	3,683,587	168,500	7,435,062
Revlon International Finance				
Conv. deb. 4.75% 6/15/83	(par value $9,620,000)	14,285,700	(par value $6,900,000)	9,039,000
Conv. deb. 4.75% 4/15/87	(par value $8,875,000)	(per value 11,337,813	$1,000,000)	1,140,000
Tampax	80,000	2,400,000	250,000	8,500,000
Subtotals		**$88,320,275**		**$63,621,562**
Drugs				
American Home Products	1,400,000	$39,375,000	1,000,000	$27,875,000
Bristol-Myers	685,000	24,488,750	770,000	25,891,250
Johnson & Johnson	169,500	12,500,625	169,500	13,009,125

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Drugs (continued)				
Lilly (Eli)	528,000	25,278,000	528,000	19,998,000
Medtronic	250,000	7,968,750	225,200	4,278,800
Merck	550,000	37,193,750	450,000	24,975,000
Pfizer	122,300	4,020,613	400,000	10,950,000
Schering-Plough	925,500	27,417,938	600,000	18,000,000
SmithKline	200,000	18,300,000	400,000	19,900,000
Syntex	—	—	478,100	9,801,050
Upjohn	182,700	8,929,462	280,000	10,010,000
Warner-Lambert	800,000	19,000,000	700,000	18,200,000
Subtotals		**$224,472,888**		**$202,888,225**
Electrical equipment				
Burndy	305,000	$5,795,000	199,100	$3,782,900
Combustion Engineering	450,000	14,568,750	450,000	16,706,250
Eltra	318,600	8,841,150	87,600	2,277,600
Emerson Electric	358,500	12,771,562	358,500	12,054,563
General Electric	1,879,100	88,552,587	1,714,100	85,276,475
International Telephone & Telegraph	1,012,300	27,458,638	596,000	18,923,000
$4.00 Cum conv. pfd. J	32,900	1,488,725	100,000	5,375,000
$4.00 Cum conv. pfd. H	20,000	970,000	—	—
International Telephone & Telegraph Conv. deb. 8.625% 6/1/00	(par value $10,155,000)	$10,891,238	(par value $6,800,000)	$8,568,000
McGraw-Edison	588,000	14,553,000	338,000	9,295,000
Minnesota Mining & Manufacturing	620,000	38,982,500	720,000	34,830,000
Reliance Electric	325,000	9,750,000	120,000	3,990,000
Square D	116,200	2,338,525	116,200	3,006,675
Thomas & Betts	44,800	1,864,800	34,300	1,269,100
Subtotals		**$238,826,475**		**$205,354,563**
Electronics				
Advanced Micro Devices	202,500	$ 4,404,375	69,800	$ 1,553,050
AMP	300,000	9,187,500	250,000	6,781,250
Augat	153,400	3,873,350	—	—
Fairchild Camera & Instrument	—	—	71,700	1,702,875
Intel	156,250	7,734,375	205,000	9,225,000
Mallory (P.R.)	—	—	150,000	5,550,000
Motorola	100,000	3,987,500	211,500	7,746,187
National Semiconductor	409,000	8,691,250	350,000	6,956,250
Subtotals		**$37,878,350**		**$39,514,612**
Food & related				
Archer-Daniels-Midland	231,600	$3,242,400	210,000	$3,780,000
Beatrice Foods	116,700	2,654,925	238,200	5,925,225
Beatrice Foods				

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Food (continued)				
Overseas Finance N.V. Conv. deb. 4.875% 8/15/93	(par value $6,800,000)	6,715,000	(par value $5,145,000)	5,556,600
Conv. deb. 6.25% 8/1/91	(par value $980,000)	984,900	——	——
Conv. deb. 7.25% 11/1/90	(par value $725,000)	915,313	(par value $625,000)	875,000
CPC International	200,000	9,850,000	200,000	9,200,000
DEKALB AgResearch	179,300	4,258,375	119,300	2,356,175
General Foods	500,000	16,062,500	400,000	12,600,000
General Mills	——	——	300,000	9,112,500
Kellogg	531,200	9,760,800	——	——
Kraft	275,000	12,306,250	——	——
Pioneer Hi-Bred International	300,000	6,037,500	300,000	5,775,000
Ralston Purina	880,200	10,012,275	892,000	12,711,000
Staley (A.E.) Manufacturing	250,000	4,187,500	250,000	5,000,000
Standard Brands	171,350	3,983,889	192,900	4,918,950
Subtotals		**$90,971,627**		**$77,810,450**
Food Stores				
Albertson's	200,000	$7,375,000	186,600	$5,598,000
American Stores	222,100	7,218,250	137,100	4,181,550
Dillon Companies	242,236	6,843,167	200,925	6,228,675
Great Atlantic & Pacific Tea	616,000	3,542,000	300,000	2,625,000
Jewel Companies	355,600	7,156,450	340,600	6,726,850
Kroger	330,000	11,756,250	300,000	8,287,500
Lucky Stores	562,829	8,301,728	560,320	7,914,520
Conv. deb. 6.75% 7/15/00	(par value $1,650,000)	1,716,000	——	——
Meyer (Fred)	191,145	5,065,343	212,180	4,959,707
Conv. deb. 4.5% 6/15/97	(par value $1,591,000)	1,710,325	(par value $949,000)	906,295
Southland	528,858	14,146,951	513,455	13,028,921
Subtotals		**$74,831,464**		**$60,457,018**
Forest Products				
Boise Cascade	162,700	$4,352,225	——	——
Champion International	248,300	5,307,413	——	——
Evans Products	200,000	3,550,000	300,000	$5,137,500
Georgia-Pacific	100,000	2,425,000	476,548	13,522,050
Weyerhaeuser	——	——	400,000	11,050,000
Subtotals		**$15,634,638**		**$29,709,550**
Household goods				
RCA	630,000	$16,616,250	630,000	$16,695,000
Singer	755,000	10,003,750	500,000	10,062,500
Sony	——	——	1,000,000	7,125,000
Household goods (continued)				
Whirlpool	550,000	$10,518,750	150,000	$3,356,250
Subtotals		**$37,138,750**		**$37,238,750**
Household products				
Clorox	816,200	$8,774,150	700,000	$9,800,000
Colgate-Palmolive	805,000	13,383,125	705,000	15,245,625
Dart Industries $2.00 Cum. conv. pfd. A	257,500	10,171,250	——	——
Delta Industries	147,500	5,881,562	250,000	9,312,500
Procter & Gamble	282,000	25,062,750	267,000	22,928,625
Purex Industries	450,000	6,750,000	350,000	5,687,500
Unilever	405,400	24,628,050	239,000	12,786,500
Subtotals		**$94,650,887**		**$75,760,750**
Instruments				
Bausch & Lomb	37,600	$1,466,400	150,000	$6,581,250
Hewlett-Packard	100,000	8,987,500	200,000	14,650,000
Tektronix	——	——	123,000	4,627,875
Varian Associates	350,000	4,725,000	350,000	6,956,250
Subtotals		**$15,178,900**		**$32,815,375**
Insurance companies				
Aetna Life & Casualty	250,000	$9,687,500	327,900	$11,968,350
American Express	275,000	8,009,375	400,000	14,450,000
American Intern'l Group	597,987	30,347,840	506,425	15,445,962
Chubb	150,000	4,875,000	150,000	5,250,000
Colonial Penn Group	350,000	8,706,250	350,000	10,631,250
Farmers Group	137,000	3,270,875	137,000	3,099,625
General Reinsurance	7,200	1,274,400	63,000	10,710,000
NLT	317,000	7,370,250	300,000	7,125,000
Safeco	139,500	3,871,125	78,000	2,983,500
St. Paul Companies	490,000	16,292,500	490,000	15,435,000
Southland Financial	400,000	6,050,000	400,000	5,500,000
Travelers	733,500	24,939,000	840,000	26,040,000
$2.00 Cum conv. pfd.	96,800	3,533,200	——	——
United States Fidelity & Guaranty	381,500	11,635,750	17,600	574,200
USLIFE	575,000	10,925,000	475,000	8,906,250
Subtotals		**$150,788,065**		**$138,119,137**
Leisure time industry				
General Cinema	50,000	$1,650,000	53,500	$1,645,125
Hartz Mountain	400,000	5,500,000	400,000	4,250,000
Subtotals		**$7,150,000**		**$5,895,125**
Machinery—farm, industrial & related				
Amsted Industries	50,000	$1,768,750	——	——
Browning-Ferris Industries	200,000	2,500,000	420,000	$4,357,500

faculty members and administrators

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Machinery (continued)				
Clark Equipment	100,000	3,637,500	200,000	6,700,000
Cooper Industries	75,000	3,703,125	200,000	9,100,000
Deere	804,000	27,866,200	804,800	19,918,800
Envirotech	100,000	1,762,500	100,000	2,875,000
FMC	289,000	7,008,250	600,000	13,350,000
Ingersoll-Rand	68,000	3,298,000	—	—
Pullman	150,000	5,287,500	63,100	1,735,250
Trans Union	200,000	6,000,000	200,000	6,550,000
Subtotals		**$62,831,825**		**$64,586,550**
Mining				
Falcon Seaboard	100,000	$2,987,500	50,000	$1,675,000
Inco Limited Class B	149,000	2,365,375	600,000	10,275,000
Phelps Dodge	—	—	50,000	1,075,000
Texasgulf	—	—	122,400	2,371,500
Subtotals		**$5,352,875**		**$15,396,500**
Motor vehicles, equipment, & tires				
Bandag	300,000	$3,975,000	350,000	$4,637,500
Champion Spark Plug	—	—	250,000	2,750,000
Cummins Engine	76,800	2,553,600	—	—
Firestone Tire & Rubber	882,000	10,694,250	535,000	8,560,000
Ford Motor	1,307,250	54,904,500	941,250	43,062,188
General Automotive Parts	—	—	39,500	1,204,750
General Motors	2,651,000	143,816,750	2,170,000	136,167,500
Goodyear Tire & Rubber	925,000	$15,031,250	—	—
Subtotals		**$230,975,350**		**$196,381,938**
Newspapers				
Gannett	250,000	$10,187,500	250,000	$9,843,750
Knight-Ridder	—	—	100,000	3,850,000
Times Mirror	160,000	4,760,000	250,200	6,380,100
Subtotals		**$14,947,500**		**$20,073,850**
Office machines				
Burroughs	561,200	$40,967,600	690,800	$50,342,050
Data General	371,300	22,556,475	324,300	16,458,225
Digital Equipment	574,000	30,823,650	669,000	30,941,250
Honeywell	180,000	12,510,000	319,300	14,647,887
International Business Machines	1,160,000	345,825,000	910,000	248,430,000
NCR	574,100	34,733,050	500,000	20,187,500
Sperry Rand	315,300	14,070,262	400,000	14,600,000
Conv. deb. 6% 12/15/00	(par value $4,535,000)	5,147,225	(par value $1,000,000)	1,003,750
Xerox	530,000	27,891,250	530,000	24,777,500
Subtotals		**$534,524,512**		**$421,388,162**

	Dec. 31, 1978		Dec. 31, 1979	
	Shares	Market value	Shares	Market value
Oil–international				
British Petroleum	1,215,000	$22,173,750	600,000	$9,900,000
Dome Petroleum	77,100	6,206,550	100,000	5,462,500
Exxon	4,125,000	202,640,625	3,400,000	163,200,000
Gulf Oil	2,600,000	62,075,000	2,000,000	53,250,000
Imperial Oil Limited Class A	185,000	3,931,250	185,000	3,653,750
Mobil	825,000	57,337,500	700,000	44,450,000
Royal Dutch Petroleum	1,461,200	88,402,600	1,100,000	61,737,500
Standard Oil of California	1,321,900	61,964,062	1,201,900	46,573,625
Texaco	2,150,000	51,331,250	1,400,000	38,675,000
Subtotals		**$556,062,587**		**$426,902,375**
Paper products				
Crown Zellerbach	700,000	$21,700,000	384,700	$13,079,800
International Paper	1,204,979	43,981,733	706,316	30,901,325
St. Regis Paper	757,900	21,410,675	700,000	21,525,000
Union Camp	745,000	35,573,750	590,000	27,140,000
Westvaco	400,000	10,250,000	54,300	1,561,125
Subtotals		**$132,916,158**		**$94,207,250**
Petroleum–domestic				
Amerada Hess	66,112	$1,859,400	152,500	$4,231,875
$3.50 Cum. conv. pfd.	62,700	3,895,238	—	—
Atlantic Richfield	750,300	42,673,312	750,300	38,359,087
Continental Oil	1,300,000	36,562,500	1,300,000	39,000,000
Getty Oil	438,400	16,549,600	109,600	19,015,600
Phillips Petroleum	1,540,000	48,702,500	1,540,000	47,162,500
Shell Oil	1,300,000	41,925,000	706,200	23,657,700
Standard Oil of Indiana	1,300,000	73,612,500	1,100,000	54,587,500
Standard Oil of Ohio	200,000	8,500,000	100,000	7,087,500
Union Oil of California	103,500	5,886,563	103,500	5,472,563
Subtotals		**$280,166,613**		**$238,574,325**
Petroleum services				
Baker International	—	—	100,000	$4,812,500
Big Three Industries	128,400	$4,269,300	122,400	4,222,800
Dresser Industries	200,000	7,400,000	200,000	8,825,000
Fluor	—	—	140,000	5,215,000
Halliburton	350,000	23,100,000	350,000	22,881,250
McDermott (J. Ray)	450,000	9,618,750	100,000	5,650,000
Schlumberger	877,300	83,124,175	600,000	43,650,000
SEDCO	400,000	11,950,000	250,000	9,750,000
Subtotals		**$139,462,225**		**$105,006,550**
Photographic equipment				
Eastman Kodak	1,200,000	$70,500,000	1,200,000	$61,500,000
Subtotals		**$70,500,000**		**$61,500,000**

faculty members and administrators

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Publishing				
American Greetings Class A	573,000	$6,088,125	500,000	$6,500,000
Donnelley (R.R.) & Sons	129,400	3,526,150	400,000	9,400,000
McGraw-Hill	200,000	4,875,000	300,000	5,775,000
Time	—	—	374,500	$14,792,750
$1.575 Cum conv. pfd. B	180,600	$5,711,475	—	—
Subtotals		**$20,200,750**		**$36,467,750**
Railroads				
Burlington Northern	200,000	$7,100,000	200,000	$8,150,000
Chessie System	100,000	2,675,000	150,000	4,856,250
Missouri Pacific	415,000	20,750,000	338,888	15,673,570
Norfolk & Western Railway	458,700	10,034,062	300,000	8,025,000
Santa Fe Industries	49,200	1,457,550	—	—
Conv. deb. 6.25% 8/1/98	—	—	**(par value $3,000,000**	3,600,000
Seaboard Coastline Industries	250,000	6,625,000	250,000	8,593,750
Southern Railway	75,000	3,496,875	75,000	3,768,750
Union Pacific	300,000	15,450,000	300,000	14,662,500
Subtotals		**$67,588,487**		**$57,329,820**
Retail trade				
Best Products	215,000	$5,240,625	285,000	$7,659,375
Carter Hawley Hale Stores	—	—	506,303	9,113,454
Denny's	201,000	5,226,000	300,000	8,625,000
Gordon Jewelry Class A	177,400	3,392,775	25,500	423,938
K Mart	—	—	700,000	19,162,500
Lowe's Companies	—	—	142,000	3,230,500
May Department Stores	—	—	225,000	6,046,875
McDonald's	900,000	41,850,000	800,000	41,200,000
Modern Merchandising	252,600	3,725,850	398,000	5,323,250
Penney (J.C.)	—	—	299,800	10,642,900
Revco D.S.	—	—	271,400	5,461,925
Sears, Roebuck	760,000	15,105,000	1,160,000	32,480,000
Service Merchandise	155,000	2,635,000	370,600	6,161,225
Skaggs Companies	241,000	6,657,625	385,000	9,721,250
Subtotals		**$83,832,875**		**$165,252,192**
Savings & loan				
Ahmanson (H.F.)	250,000	$4,531,250	250,000	$4,718,750
First Charter Financial	770,000	11,453,750	770,000	13,186,250
Great Western Financial	400,000	10,650,000	580,000	13,557,500
MGIC Investment	400,000	7,350,000	800,000	12,800,000
Subtotals		**$33,985,000**		**$44,262,500**

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Steel				
Armco Steel	—	—	400,000	$11,350,000
Bethlehem Steel	270,000	$ 5,298,750	500,000	10,625,000
Inland Steel	106,000	3,710,000	106,000	4,081,000
Mesabi Trust	350,000	5,162,500	—	—
United States Steel	609,000	12,941,250	450,000	14,175,000
Subtotals		**$27,112,500**		**$40,231,000**
Trucking & related				
Consolidated Freightways	121,500	$2,703,375	116,500	$2,941,625
Leaseway Transportation	325,000	10,846,875	175,900	5,452,900
Ryder System	230,000	5,548,750	350,000	5,512,500
Yellow Freight System	110,500	2,154,750	38,500	1,058,750
Subtotals		**$21,253,750**		**$14,965,775**
Utilities–electric				
Arizona Public Service	950,000	$19,356,250	292,800	$6,222,000
Baltimore Gas & Electric	530,000	12,918,750	350,000	9,318,750
Carolina Power & Light	850,000	18,275,000	300,000	7,050,000
Central & South West	350,000	5,381,250	350,000	5,600,000
Cincinnati Gas & Electric	685,100	13,702,000	200,000	4,650,000
Cleveland Electric Illuminating	775,000	12,981,250	250,000	8,343,750
Consumers Power	1,330,000	29,925,000	350,000	8,400,000
Detroit Edison	510,239	6,888,238	—	—
Duke Power	750,000	14,531,250	500,000	11,062,500
Florida Power & Light	300,000	7,837,500	—	—
Illinois Power	—	—	200,000	5,300,000
Middle South Utilities	1,705,000	$25,575,000	500,000	$8,250,000
Northern States Power	292,875	6,882,582	280,000	7,910,000
Ohio Edison	1,147,991	17,076,373	400,000	7,800,000
Oklahoma Gas & Electric	209,489	3,535,134	372,000	6,975,000
Pacific Gas & Electric	910,000	20,247,500	710,000	17,128,750
Public Service Electric & Gas	563,568	11,412,252	511,207	11,693,860
Southern California Edison	1,102,421	28,387,341	459,570	12,121,159
Southern	761,871	10,285,260	306,897	5,447,422
Texas Utilities	—	—	500,000	11,000,000
Subtotals		**$265,197,930**		**$154,273,191**
Utilities–gas & pipeline				
American Natural Resources	515,000	$20,020,625	515,000	$23,432,500
Consolidated Natural Gas	331,100	12,581,800	—	—

faculty members and administrators

	Dec. 31, 1978		Dec. 31, 1977	
	Shares	Market value	Shares	Market value
Utilities–gas and pipleline (continued)				
Houston Natural Gas	600,000	13,350,000	400,000	10,850,000
Panhandle Eastern Pipe Line	401,632	16,065,280	320,000	15,000,000
Peoples Gas	364,612	12,305,655	266,666	9,266,644
Southern Natural Resources	361,400	11,474,450	261,400	12,287,600
Tenneco	725,000	21,931,250	700,000	21,525,000
Texas Eastern	536,000	18,157,000	461,000	21,378,875
Texas Gas Transmission	250,000	8,875,000	250,000	10,625,000
Texas Oil & Gas	539,000	17,315,375	490,000	16,415,000
Transco Companies	650,000	13,487,500	300,000	6,375,000
United Energy Resources	400,000	13,300,000	—	—
Subtotals		**$178,863,935**		**$147,155,619**
Utilities–telphone				
American Telephone & Telegraph	5,115,363	$310,118,882	3,923,675	$237,382,338
Bell Canada	471,985	25,900,221	—	—
Central Telephone & Utilities	333,000	7,950,375	100,000	2,500,000
Continental Telephone	1,839,111	26,207,332	1,010,000	15,402,500
General Telephone & Electronics	2,100,100	59,852,850	1,510,100	47,001,862
United Telecommunications	1,525,000	28,593,750	860,000	16,340,000
Subtotals		**$458,623,410**		**$318,626,700**
Foreign investments				
Ajinomoto	300,000	$912,000	—	—
Bank of Tokyo	2,836,333	2,921,423	4,086,333	$3,166,908
Dai Nippon Printing	2,497,825	7,468,497	4,537,825	9,642,878
Fuji Photo Film	810,000	2,786,400	1,210,000	2,323,200
Fujitsu Fanuc	75,000	1,139,250	150,000	669,000
Fujitsu	800,000	1,784,000	1,800,000	1,980,000
Foreign investments (continued)				
Hitachi	7,200,000	9,792,000	13,000,000	9,490,000
Ito-Yokado	428,000	3,856,280	480,000	2,642,400
Conv. deb. 5.75% 8/31/93	(par value $300,000)	393,750	—	—
Kashiyama	500,000	1,880,000	750,000	1,470,000
Komatsu	1,120,000	2,161,600	3,100,000	3,441,000
Kubota Limited conv. deb. 6.75% 4/15/91	(par value $1,963,000)	2,600,975	(par value $3,063,000)	3,063,000
Makita Electric Works	—	—	33,000	796,125
Marudai Food	552,000	2,721,360	480,000	1,812,000
Marui	539,700	3,040,479	514,000	2,035,440
Matsushita Electric Industrial	539,000	2,005,080	—	—
Conv. deb. 6.75% 11/20/90	(par value $3,554,000)	7,254,602	(par value $4,704,000)	5,497,800
Mitsukoshi	470,000	1,367,700	—	—
Nippon Electric	1,750,000	2,695,000	3,500,000	3,290,000
Pioneer Electronic	200,000	1,824,000	300,000	1,551,000
Ricoh	679,125	2,112,078	632,500	1,049,950
Shiseido	417,400	2,537,792	534,000	2,047,890
Sumitomo Marine & Fire Insurance	1,365,966	1,734,777	2,125,966	2,306,673
Taisho Pharmaceutical	412,000	1,273,080	—	—
Tokio Marine & Fire Insurance	70,202	9,161,361	91,702	9,468,232
Tokyo Broadcasting System	510,000	1,856,400	—	—
Toppan Printing	700,000	1,827,000	—	—
Yamazaki Baking	316,000	1,390,400	—	—
Yasuda Fire & Marine Insurance	1,302,603	1,628,254	2,047,603	2,262,601
Subtotals		**$82,125,538**		**$70,006,097**
Total market value		**$6,051,849,731**		**$4,277,421,574**

SOURCE: COLLEGE RETIREMENT EQUITIES FUND

Collective Bargaining on Campus

Following are 648 campuses where faculty members had chosen collective-bargaining agents and 77 where they had rejected unionization, as of May 18, 1979. An asterisk (*) indicates a private institution.

American Association of University Professors—58

Four-Year Institutions—51

*Adelphi University, N.Y.
*Ashland College, Ohio
*Bard College, N.Y.
*Bloomfield College, N.J.
*Boston University
*University of Bridgeport, Conn.
University of Cincinnati
Connecticut State Colleges—4 campuses
University of Connecticut
Delaware State College
University of Delaware
*Drury College, Mo.
*D'Youville College, N.Y.
Eastern Michigan University
Eastern Montana College
*Emerson College, Mass.
*Fairleigh Dickinson University, N.J.—3 campuses
*Hofstra University, N.Y.
Kent State University, Ohio
*Lincoln University, Pa.
*Marymount College, N.Y.
*Monmouth College, N.J.
*Mount Vernon College, D.C.
New Jersey College of Medicine and Dentistry
*New York Institute of Technology—2 campuses
University of Northern Iowa
Northern Michigan University
Oakland University, Mich.
*Polytechnic Institute of New York
Portland State University, Ore.
*Post College, Conn.
*Regis College, Colo.
University of Rhode Island
*Rider College, N.J.
Rutgers University, N.J.—3 campuses
*Arnold and Marie Schwartz Coll. of Pharm., N.Y.
*St. John's U., N.Y. (coalition with independent)
*Stevens Institute of Technology, N.J.
Temple University, Pa.
*Utica College, N.Y.
*Wagner College, N.Y.
Wayne State University, Mich.
Western Michigan University

Two-Year Institutions—7

Belleville Area College, Ill.
Cuyahoga Community College, Ohio—3 campuses

A.A.U.P.—Continued

Indian River Community College, Fla.
Montgomery County Community College, Pa.
*Union College, N.J.

American Federation of Teachers (A.F.L.-C.I.O.)—222

Four-Year Institutions—93

*Antioch School of Law, D.C.
*Bryant College, R.I.
City University of New York—12 campuses
*Cooper Union, N.Y.
*Dyke College, Ohio
Florida University System—9 campuses
*Franklin Pierce College, N.H.
*Goddard College, Vt.
University of Guam
Illinois Board of Governors System—5 campuses
*Ithaca College, N.Y.
*Long Island University—3 campuses
University of Michigan (graduate assistants)
University of Montana
*Moore College of Art, Pa.
*Nasson College, Me.
New Jersey State College System—8 campuses
Oregon College of Education
University of Oregon (teaching assistants)
*College of Osteopathic Medicine and Surgery, Iowa
*Park College, Mo.
*Pratt Institute, N.Y.
*Quinnipiac College, Conn.
Rhode Island College
*Robert Morris College, Pa.
*Saint Leo College, Fla.
*Spring Garden College, Pa.
State University of New York—26 campuses
*Stephens College, Mo.
Southeastern Massachusetts University
U.S. Merchant Marine Academy, N.Y.
Vermont State Colleges—3 campuses
*Wentworth C. of Tech./Wentworth Inst., Mass.
U. of Wisconsin-Madison (teaching assistants)

Two-Year Institutions—129

Adirondack Community College, N.Y.
U. of Alaska Community Colleges—10 campuses
C. C. of Allegheny County, Pa.—4 campuses
Community College of Baltimore
*Becker Junior College, Mass.
Big Bend Community College, Wash.
Blackhawk Vocational Technical School, Wis.
Brevard Community College, Fla.
Bucks County Community College, Pa.
Camden County College, N.J.

A.F.T.—Continued

*Central Y.M.C.A. Community College, Ill.
City Colleges of Chicago—7 campuses
City University of New York—8 campuses
Compton Community College, Cal.
Connecticut State Technical C's—4 campuses
*Cottey College, Mo.
Dawson College, Mont.
Dutchess Community College, N.Y.
Eau Claire Technical Institute, Wis.
Edison Community College, Fla.
El Camino Community College, Cal.
Everett-Edmonds Community College, Wash.
Fashion Institute of Technology, N.Y.
Gloucester County College, N.J.
*Grahm Junior College, Mass.
Green River Community College, Wash.
Henry Ford Community College, Mich.
Highland Community College, Ill.
Highland Park Community College, Mich.
Illinois Valley Community College
Indian Head Technical Institute, Wis.
Joliet Junior College, Ill.
*Kendall College, Ill.
College of Lake County, Ill.
Lake Michigan College, Mich.
Los Angeles C. C. District—9 campuses
Los Rios C. C. District, Cal.—3 campuses
Madison Area Technical College, Wis.
Marin C. C. District, Cal.—2 campuses
Middlesex County College, N.J.
Milwaukee Area Technical College, Wis.
*Mitchell College, Conn.
Mohawk Valley Community College, N.Y.
Monroe Community College, N.Y.
Moraine Valley Community College, Ill.
Morton College, Ill.
Nassau Community College, N.Y.
Northampton County Area C. C., Pa.
Northeast Wisconsin Technical Institute
Onondaga Community College, N.Y.
Community College of Philadelphia
Palm Beach Junior College, Fla.
Palo Verde College, Cal.
Peralta Community College District, Cal.
Community College of Philadelphia, Pa.
Portland Community College, Ore.
Prairie State College, Ill.
Reading Area Community College, Pa.
Rockland Community College, N.Y.
San Diego C. C. District, Cal. (adult education)
San Francisco C. C. District—2 campuses
Seattle Community College—3 campuses
Shoreline Community College, Wash.
Somerset County College, N.J.
Southwestern Oregon Community College
State Center C. C. District, Cal.—2 campuses

A.F.T.—Continued

State University of New York—6 campuses
Suffolk County Community College, N.Y.
Tacoma Community College, Wash.
Thornton Community College, Ill.
Triton College, Ill.
Ventura College, Cal.
Vermont Technical College
Waubonsee Community College, Ill.
Wayne County Community College, Mich.
West Paul Beach Junior College, Fla.
Westchester Community College, N.Y.
Western Wisconsin Technical Institute
Whatcom Community College, Wash.
William Rainey Harper College, Ill.
Yakima Valley College, Wash.

National Education Association—294

Four-Year Institutions—66

*Adrian College, Mich.
Central Michigan University
*C. W. Post College, N.Y. (adjunct faculty)
*Detroit College of Business
*Detroit Institute of Technology
*University of Detroit
University of the District of Columbia—3 campuses
*University of Dubuque, Iowa
*University of Dubuque Theological Seminary, Iowa
Ferris State College, Mich.
Keene State College, N.H.
Lake Superior State College, Mich.
*Loretto Heights College, Colo.
University of Lowell, Mass.—2 campuses
University of Maine—7 campuses
*Marymount College, Va.
Massachusetts State Colleges—10 campuses
University of Massachusetts—2 campuses
Minnesota State University System—7 campuses
*National College of Business, S.D.
Nebraska State College System—4 campuses
Northern Montana College
*Ohio Northern University
Pittsburg State University, Kan.
*Rhode Island School of Design
*Roger Williams College, R.I.
*St. Francis College, Pa.
Saginaw Valley College, Mich.
*Shaw College, Mich.
S. D. Board of Regents System—7 campuses
Western Montana College
Youngstown State University, Ohio

Two-Year Institutions—228

Alpena Community College, Mich.
Atlantic Community College, N.J.
Barstow Community College District, Cal.
Bay de Noc Community College, Mich.
Community College of Beaver County, Pa.
Bellevue Community College, Wash.

N.E.A.—Continued

Bergen Community College, N.J.
Blue Mountain Community College, Ore.
Brookdale Community College, N.J.
Broome Community College, N.Y.
Burlington County College, N.J.
Butler County Community Junior College, Kan.
Butte College, Cal.
College of the Canyons, Cal.
Carl Sandburg College, Ill.
Cayuga County Community College, N.Y.
Centralia College, Wash.
Central Oregon Community College
Central Technical C. C., Neb.—3 campuses
Chabot College, Cal.
Charles Stewart Mott Community College, Mich.
Chemeketa Community College, Ore.
Chipola Junior College, Fla.
Citrus College, Cal.
Clackamas Community College, Ore.
Clark College, Wash.
Clatsop Community College, Ore.
Clinton Community College, N.Y.
Cloud County Community Junior College, Kan.
Colby Community College, Kan.
Colorado State C. C. System—9 campuses
Columbia Basin Community College, Wash.
Columbia Greene Community College, N.Y.
Community College of the Finger Lakes, N.Y.
Cowley County Community College, Kan.
Cumberland County College, N.J.
Delaware County Community College, Pa.
Delaware Technical and C. C.—4 campuses
Des Moines Area C. C., Iowa—2 campuses
Eastern Iowa District C. C.—3 campuses
*Endicott Junior College, Mass.
Erie Community College, N.Y.—3 campuses
Essex County College, N.J.
Fort Scott Community College, Kan.
Fort Steilacoom Community College, Wash.
Fox Valley Technical Institute, Wis.
Fulton-Montgomery Community College, N.Y.
Garden City Community Junior College, Kan.
Gateway Technical Institute, Wis.
Gavilan College, Cal.
Genesee Community College, N.Y.
Glen Oaks Community College, Mich.
Gogebic Community College, Mich.
Grossmont College, Cal.
Highline Community College, Wash.
Hillsborough Community College, Fla.
Hudson Valley Community College, N.Y.
Hutchinson Community Junior College, Kan.
Independence Community Junior College, Kan.
Iowa Central Community College
Iowa Lakes Community College
Iowa Western Community College
Jackson Community College, Mich.
Jefferson Community College, N.Y.
Kalamazoo Valley Community College, Mich.
Kansas City Community Junior College, Kan.
Kellogg Community College, Mich.

N.E.A.—Continued

Kern C. C. District, Cal.—3 campuses
Kirkwood Community College, Iowa
Kirtland Community College, Mich.
Labette Community Junior College, Kan.
*Laboure Junior College, Mass.
Lake Land College, Ill.
Lakeland Community College, Ohio
Lake Shore Technical Institute, Wis.
Lane Community College, Ore.
Lansing Community College, Mich.
Lehigh County Community College, Pa.
Lewis and Clark Community College, Ill.
John A. Logan College, Ill.
Long Beach City College, Cal.
Lower Columbia College, Wash.
Luzerne County College, Pa.
Maine Vocational-Technical Institutes—6 campuses
Massachusetts C. C. System—15 campuses
McHenry County College, Ill.
Merced College, Cal.
Mercer County Community College, N.J.
Metropolitan Technical Community College, Neb.
Mid-Michigan Community College
Mid-Plains Technical C. C., Neb.—2 campuses
Mid-State Technical Institute, Wis.
Minnesota State J. C. System—18 campuses
Monroe County Community College, Mich.
Montcalm Community College, Mich.
Monterey Peninsula College, Cal.
Moraine Park Technical Institute, Wis.
County College of Morris, N.J.
Mt. San Antonio College, Cal.
Mt. San Jacinto Junior College, Cal.
Muskegon Community College, Mich.
Napa College, Cal.
Nebraska Western College—2 campuses
Niagara County Community College, N.Y.
Northampton County Area Community College, Pa.
North Central Technical Institute, Wis.
North Country Community College, N.Y.
Northeast Iowa Vocational Technical School
Northwest Iowa Vocational Technical School
Oakland Community College, Mich.
Ocean County College, N.J.
Olympia Vocational Technical Institute, Wash.
Olympic College, Wash.
Orange County Community College, N.Y.
Pasadena City College, Cal.
Passaic Community College, N.J.
Peninsula College, Wash.
Pima Community College, Ariz.
Pratt Community College, Kan.
Rancho Santiago C. C. District, Cal. (continuing education faculty)
Rhode Island Junior College
Riverside City College, Cal.
Rogue Community College, Ore.
St. Clair County Community College, Mich.
Saddleback Community College, Cal.
Salem Community College, N.J.
San Diego C. C. District—3 campuses

N.E.A.—Continued

San Joaquin Delta College, Cal.
San Jose C. C. District, Cal.—2 campuses
San Mateo C. C. District, Cal.—3 campuses
Santa Ana College, Cal. (continuing
education faculty)
Sauk Valley College, Ill.
Schenectady County Community College, N.Y.
Schoolcraft College, Mich.
College of the Sequoias, Cal.
Shasta College, Cal.
Shawnee General and Technical College, Ohio
Sierra College, Cal.
Skagit Valley College, Wash.
Solano Community College, Cal.
Southeastern Community College, Iowa
Southeast Community College, Neb.—3 campuses
Southwestern College, Cal.
Southwestern Community College, Iowa
Southwestern Michigan College
Spokane Community College, Wash.
Spokane Falls Community College, Wash.
Spoon River College, Ill.
Sullivan County Community College, N.Y.
Taft College, Cal.
Ulster County Community College, N.Y.
Union County Technical Institute, N.J.
Victor Valley Community College, Cal.
Walla Walla Community College, Wash.
Washtenaw Community College, Mich.
Waukesha County Technical Institute, Wis.
Wenatchee Valley College, Wash.
Western Iowa Technical Community College
West Hills College, Cal.
Westmoreland Community College, Pa.
Williamsport Area Community College, Pa.
Yosemite C. C. District, Cal.—2 campuses
Yuba College, Cal.

A.A.U.P.-A.F.T.—14

Four-Year Institutions—14

Penn. State Colleges & University—14 campuses

A.A.U.P.-N.E.A.—10

Four-Year Institutions—3

University of Hawaii—2 campuses
University of Northern Iowa

Two-Year Institutions—7

University of Hawaii—7 campuses

Independent and other agents—50

Four-Year Institutions—17

*Dowling College, N.Y.
*Fordham University Law School, N.Y.
*Mercy College, N.Y.
University of Nebraska Law School
New Jersey Institute of Technology

Independent—Continued

*University of New Haven, Conn.
*New York University Law School
*Niagara University, N.Y.
*Northland College, Wis.
University of Pittsburgh Medical School
*University of San Francisco
*University of San Francisco Law School
*University of Scranton, Pa.
Southern Oregon State College
*Syracuse University Law School, N.Y.
Temple University Law School, Pa.
*Yeshiva University, N.Y.

Two-Year Institutions—33

Colby Community Junior College, Kan.
Connecticut Community Colleges—12 campuses
Contra Costa C. C. District, Cal.—3 campuses
College of the Desert, Cal.
Foothill-De Anza C. C. District, Cal.—2 campuses
Grand Rapids Junior College, Mich.
Herkimer County Community College, N.Y.
Illinois Central College
Jamestown Community College, N.Y.
Macomb County C. C., Mich.—2 campuses
Miles Community College, Mont.
Mount Hood Community College, Ore.
Rancho Santiago C. C. District, Cal.
College of the Redwoods, Cal.
Santa Monica College, Cal.
Southwest Wisconsin Vocational-Technical Institute
*Trocaire College, N.Y.
West Shore Community College, Mich.

Bargaining Rejected—77

The names of the defeated unions are in parentheses. Institutions at which faculty members voted for "no agent" initially but later selected a bargaining agent are not included.

Four-Year Institutions—61

*Albion College, Mich. (A.A.U.P., N.E.A.)
*Antioch College, Ohio (A.A.U.P., A.F.T.)
*Baldwin-Wallace College, Ohio (A.A.U.P.)
*Butler University, Ind. (N.E.A.)
*California Institute of the Arts (A.F.T.)
*Catholic University Law School, D.C. (independent)
*Centenary College for Women, N.J. (A.A.U.P.)
University of Colorado (A.A.U.P., A.F.T.)
*Curry College, Mass. (N.E.A., independent)
Eastern Oregon State College (A.A.U.P., A.F.T.,
N.E.A., independent)
*Fordham University, N.Y. (A.A.U.P.)
Grand Valley State Colleges, Mich. (N.E.A.)
*Hamline University, Minn. (A.A.U.P.)
Institute of Food and Agricultural Sciences,
University of Florida (independent)
*Jacksonville University, Fla. (A.A.U.P.)
*Jamestown College, N.D. (N.E.A.)†
*King's College, Pa. (A.F.T., N.E.A.)
*Lawrence Institute of Technology, Mich. (A.A.U.P.)
*Manhattan College, N.Y. (A.A.U.P.)
Massachusetts Maritime Academy (A.F.T., N.E.A.)

Bargaining Rejected—Continued

*Merrimack College, Mass. (N.E.A.)
*University of Miami, Fla. (A.A.U.P.)
Michigan State University (A.A.U.P., N.E.A.)
University of Minnesota (A.A.U.P.)
U. of Minnesota—teaching assistants (A.F.T.)
Montana State University (A.A.U.P.)
*Nathaniel Hawthorne College, N.H. (A.F.T.)
U. of Nebraska College of Dentistry (independent)
University of Nebraska at Lincoln (A.A.U.P.)
*New England College, N.H. (A.F.T.)†
*New England Conservatory of Music,
Mass. (A.A.U.P.)
U. of New Hampshire–Durham (A.A.U.P., N.E.A.)
*New York University (A.A.U.P., A.F.T.-N.E.A.)
*Northeastern University, Mass. (A.A.U.P., N.E.A.)
*Oberlin College, Ohio (independent)
Ohio University (A.A.U.P., N.E.A.)
Oregon Institute of Technology (independent)
Oregon St. U. (A.A.U.P., A.F.T., independent)
U. of Oregon (A.A.U.P., A.F.T., independent)
*Pace University, N.Y. (A.A.U.P., A.F.T.)
Pennsylvania State University (A.A.U.P., N.E.A.)
*Philadelphia College of Art (A.F.T.)
University of Pittsburgh (A.A.U.P., A.F.T., N.E.A.)
University of Pittsburgh health professions schools
(A.F.T., N.E.A.)
University of Pittsburgh Law School (independent)
*Point Park College, Pa. (A.A.U.P.)
Plymouth State College, N.H. (A.A.U.P., N.E.A.)
*Randolph-Macon College, Va. (A.A.U.P.)
*Rensselaer Polytechnic Institute, N.Y. (A.A.U.P.)
*Ricker College, Me. (A.F.T.)
*Rosary Hill College, N.Y. (N.E.A.)
*College of St. Francis, Ill. (A.F.T.)
*St. Joseph's College, N.Y. (A.F.T)
*Seattle University (A.A.U.P.)
*Seton Hill College, Pa. (N.E.A.)
*Syracuse University, N.Y. (A.A.U.P.)
University of Toledo (A.A.U.P., A.F.T.)
*Tusculum College, Tenn. (A.F.T.)
University of Vermont (A.A.U.P., A.F.T., N.E.A.)
*Villanova University, Pa. (A.A.U.P., A.F.T.)
*Waynesburg College, Pa. (N.E.A.)

Two-Year Institutions—16

Broward Community College, Fla. (independent)
Butler County C. C., Pa. (N.E.A., independent)
Central Florida Community College (N.E.A.)
Corning Community College, N.Y. (A.F.T.)
*Dean Junior College, Mass. (A.F.T.)
Florida Junior College at Jacksonville (A.F.T.)
*Lasell Junior College, Mass. (A.F.T.)
Miami-Dade Junior College, Fla. (A.F.T.)
North Orange C. C. District, Cal. (N.E.A.)
Okaloosa-Walton Junion College, Fla. (N.E.A.)
Polk Community College, Fla. (A.F.T.)
Santa Fe Community College, Fla. (N.E.A.)
St. Petersburg Junior College, Fla. (N.E.A.)
Treasure Valley Community College, Ore. (N.E.A.)
Umpqua Community College, Ore. (N.E.A.)
*Villa Maria College, N.Y. (A.F.T.)

† De-certification of previously selected agent

faculty members and administrators

Summary of Faculty Bargaining Decisions

	4-Year Campuses			2-Year Campuses			Grand Total
	Public	Private	Total	Public	Private	Total	
American Association of University Professors	23	28	51	6	1	7	59
American Federation of Teachers	72	21	93	123	6	129	222
National Education Association	51	15	66	226	2	228	294
A.A.U.P.-A.F.T.	14	0	14	0	0	0	14
A.A.U.P.-N.E.A.	3	0	3	7	0	7	10
Independent and other	5	12	17	32	1	33	50
Total	**168**	**76**	**244**	**394**	**10**	**404**	**648**
Bargaining rejected	23	38	61	13	3	16	77

Directory

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Private-College Openings, Closings, and Mergers, 1970-78

Openings

	Type	Men's, women's, coed	Affiliation
Alaska			
Inupiat U. of the Arctic	4-year	Coed	Independent
Arizona			
C. Del Ray (now closed)	4-year	Coed	Independent
C. of Ganado	2-year	Coed	Independent
Prescott Center C.	4-year	Coed	Independent
California			
American Acad. of Dramatic Arts–West	2-year	Coed	Independent
Christ C. Irvine	4-year	Coed	Lutheran
Christian Heritage C	4-year	Coed	Independent
Colegio De La Tierra	2-year	Coed	Independent
D-Q U.	2-year	Coed	Independent
Fielding Inst.	Special	Coed	Independent
Maharishi Intl. U. (now in Iowa)	4-year	Coed	Independent
Melodyland Sch. of Theology	Special	Coed	Christian Ch.
National U.	4-year	Coed	Independent
New C. of California	4-year	Coed	Independent
Nyingma Inst.	Special	Coed	Independent
Rand Graduate Inst. for Policy Studies	Special	Coed	Independent
Rosemead Graduate Sch. of Psychology (merged with Biola C.)	Special	Coed	Independent
Santa Barbara Art Inst. (now closed)	Special	Coed	Independent
So. Calif. Inst. of Arch.	Special	Coed	Independent
Thomas Aquinas C.	4-year	Coed	Rom. Catholic
U. Without Walls–Berkeley (now closed)	4-year	Coed	Independent
Windsor U.	4-year	Coed	Independent
World C. West	4-year	Coed	Independent
District of Columbia			
Antioch Sch. of Law	Special	Coed	Independent
Campus Free C.	4-year	Coed	Independent
Washington International C.	4-year	Coed	Independent
Florida			
Heed U.	4-year	Coed	Independent
Talmudic C. of Florida	Special	Men	Independent
U. of Sarasota	4-year	Coed	Independent
Illinois			
Brisk Rabbinical C.	Special	Men	Independent
Daniel Hale Williams U.	4-year	Coed	Independent
Morrison Inst. of Technology	2-year	Coed	Independent
Massachusetts			
Cntl. New England C. of Tech.	4-year	Coed	Independent
Laboure Jr. C.	2-year	Coed	Rom. Catholic
Montserrat Sch. of Visual Art	Special	Coed	Independent
Wentworth C. of Technology (merged with Wentworth Inst.)	4-year	Coed	Independent
Michigan			
Lewis Business C.	2-year	Coed	Independent
Thomas M. Cooley Law Sch.	Special	Coed	Independent
Minnesota			
Mayo Medical Sch.	Special	Coed	Independent
Midwestern Sch. of Law (merged with Hamline U.)	Special	Coed	United Meth.
Mississippi			
Wesley C. (originally Westminster C.)	4-year	Coed	Cong. Meth.
Missouri			
Assem. of God Graduate Sch.	Special	Coed	Assem. God
Cardinal Newman C.	4-year	Coed	Rom. Catholic
Christ Seminary–Seminex (originially Concordia Sem. in Exile)	Special	Coed	Independent
New York			
Bais Yaakov Seminary	Special	Women	Independent
Boricua C.	2-year	Coed	Independent
Christ the King Seminary	Special	Coed	Rom. Catholic
Hadar Hatorah Rabbinical Sem.	Special	Coed	Independent
Touro C.	4-year	Coed	Independent
Verrazano C. (now closed)	4-year	Coed	Independent
North Carolina			
Hamilton C. (originially Biscayne Southern C.)	2-year	Coed	Independent
Ohio			
Chatfield C.	2-year	Coed	Independent
Oklahoma			
Am. Christian C. (now closed)	4-year	Coed	Protestant
South Carolina			
Sherman C. of Chiropractic	Special	Coed	Independent
Texas			
American Technological U.	4-year	Coed	Independent
Vermont			
Vt. Inst. of Comm. Involvement	4-year	Coed	Independent
Vermont Law Sch.	Special	Coed	Independent
Virginia			
Liberty Baptist C. (originally Lynchburg Baptist C.)	4-year	Coed	Protestant
Washington			
City C.	4-year	Coed	Independent
Prometheus C.	4-year	Coed	Independent
West Virginia			
Greenbriar C. of Osteo. Med. (now public)	Special	Coed	Independent
Puerto Rico			
Colegio Universitario Del Turabo	4-year	Coed	Independent

Closings

	Type	Men's, women's, coed	Affiliation
Alaska			
Alaska Methodist U. (reopened)	4-year	Coed	United Meth.
Arizona			
C. Del Ray	4-year	Coed	Independent
Prescott C.	4-year	Coed	Independent
California			
Ambassador C.	4-year	Coed	Wld. Ch. God
California Concordia C.	2-year	Coed	Lutheran
Lone Mountain C.	4-year	Coed	Rom. Catholic
Santa Barbara Art Inst.	Special	Coed	Independent
Tahoe C.	4-year	Coed	Independent
U. Without Walls-Berkeley	4-year	Coed	Independent
Connecticut			
C. of Notre Dame of Wilton	4-year	Women	Rom. Catholic
Longview C.	2-year	Coed	Rom. Catholic
Silvermine C. of Art	Special	Coed	Independent
District of Columbia			
Dunbarton C. of Holy Cross	4-year	Women	Rom. Catholic
Immaculata C.	2-year	Women	Rom. Catholic
St. Joseph's Seminary (coll. div.)	Special	Men	Rom. Catholic
St. Paul's C.	Special	Men	Rom. Catholic
Webster Jr. C.	2-year	Coed	Independent
Florida			
C. of Orlando	2-year	Coed	Independent
St. Joseph C. of Florida	2-year	Coed	Rom. Catholic
Georgia			
Norman C.	2-year	Coed	Baptist
Illinois			
Chicago Technical C.	4-year	Coed	Independent
Maryknoll C.	Special	Coed	Rom. Catholic
Monticello C.	2-year	Women	Independent
St. Dominic C.	4-year	Coed	Rom. Catholic
Tolentine C.	Special	Coed	Rom. Catholic
Winston Churchill C.	2-year	Coed	Independent
Indiana			
Concordia Sr. C.	4-year	Coed	Lutheran
Iowa			
Midwestern C.	4-year	Coed	Independent
Parsons C.	4-year	Coed	Independent
Kansas			
C. of Emporia	4-year	Coed	Presbyterian
Kentucky			
St. Mary's C. Seminary	Special	Men	Rom. Catholic
Maine			
Bliss C.	2-year	Coed	Independent
Northern Cons. of Music	Special	Coed	Independent
Ricker C.	4-year	Coed	Independent
Maryland			
Bay C. of Maryland	2-year	Coed	Independent
Mount Providence Jr. C.	2-year	Women	Rom. Catholic
Ocean City C.	2-year	Coed	Independent
St. Joseph C.	4-year	Women	Rom. Catholic
Mount Alvernia C.	Special	Women	Rom. Catholic
Xaverian C.	Special	Men	Rom. Catholic
Massachusetts			
Bryant-McIntosh Jr. C.	2-year	Coed	Independent
Cambridge Jr. C.	2-year	Coed	Independent
Cardinal Cushing C.	4-year	Women	Rom. Catholic

	Type	Men's, women's, coed	Affiliation
Massachusetts—Continued			
Garland Jr. C.	2-year	Women	Independent
Mount Alvernia C.	Special	Women	Rom. Catholic
Northampton Jr. C.	2-year	Coed	Independent
Oblate C. and Seminary	Special	Coed	Rom. Catholic
Regina Coeli C.	Special	Women	Rom. Catholic
St. Stephen's C.	Special	Men	Rom. Catholic
Stevens C.	2-year	Coed	Independent
Michigan			
De Lima Jr. C.	2-year	Coed	Rom. Catholic
Mackinac C.	4-year	Coed	Independent
Minnesota			
Corbett C.	2-year	Coed	Rom. Catholic
Lea C.	4-year	Coed	Independent
Mississippi			
Gulf Park Jr. C.	2-year	Women	Independent
Saints C.	2-year	Coed	Church of God in Christ
Missouri			
Marillac C.	Special	Women	Rom. Catholic
Notre Dame C.	4-year	Coed	Rom. Catholic
Nebraska			
Hiram Scott C.	4-year	Coed	Independent
John F. Kennedy C.	4-year	Coed	Independent
John J. Pershing C.	4-year	Coed	Independent
New Hampshire			
Belknap C.	4-year	Coed	Independent
Canaan C.	4-year	Coed	Independent
Franconia C.	4-year	Coed	Independent
Mount St. Mary C.	4-year	Women	Rom. Catholic
St. Anthony C.	Special	Men	Rom. Catholic
New Jersey			
Alphonsus C.	2-year	Coed	Independent
Englewood Cliffs C.	2-year	Coed	Rom. Catholic
Mount St. Mary C.	2-year	Women	Rom. Catholic
St. Joseph's C.	Special	Men	Rom. Catholic
Salesian C.	2-year	Women	Rom. Catholic
Shelton C.	4-year	Coed	Other
Tombrock C.	2-year	Women	Rom. Catholic
Walsh C.	2-year	Women	Independent
New Mexico			
C. of Artesia	4-year	Coed	Independent
New York			
Bennett C.	2-year	Coed	Independent
Brentwood C.	Special	Women	Rom. Catholic
Briarcliff C.	4-year	Women	Independent
Finch C.	4-year	Women	Independent
Immaculate Conception Sem.	Special	Men	Rom. Catholic
LaSalette Seminary	Special	Men	Rom. Catholic
Mills C. of Education	Special	Women	Independent
Our Lady of Hope Mission Sem.	Special	Men	Rom. Catholic
Packer Collegiate Inst.	2-year	Women	Independent
Passionist Monastic Seminary	Special	Men	Rom. Catholic
Rogers C.	Special	Coed	Rom. Catholic
St. Clare C.	2-year	Women	Rom. Catholic
St. John Vianney Seminary	Special	Men	Rom. Catholic
Verrazzano C.	4-year	Coed	Independent
Woodstock C.	Special	Men	Rom. Catholic
North Carolina			
Kernersville Wesleyan C.	2-year	Coed	Protestant
Kittrell C.	2-year	Coed	A. M. E.

Closings–Continued

	Type	Men's, women's, coed	Affiliation
North Carolina—Continued			
Southwood C.	2-year	Coed	Independent
North Dakota			
Assumption C.	2-year	Coed	Rom. Catholic
Ohio			
C. of the Dayton Art Inst.	4-year	Coed	Independent
Mary Manse C.	4-year	Coed	Rom. Catholic
St. John C. of Cleveland	4-year	Coed	Rom. Catholic
Oklahoma			
American Christian C.	4-year	Coed	Protestant
Oregon			
Mount Angel C.	4-year	Coed	Independent
Pennsylvania			
Cushing Jr. C.	2-year	Coed	Am. Baptist
Penn Hall Jr. C.	2-year	Coed	Independent
Sacred Heart Jr. C.	Special	Women	Rom. Catholic
Rhode Island			
Catholic Teachers C.	4-year	Women	Rom. Catholic
Mount St. Joseph C.	Special	Women	Rom. Catholic
Sem. of Our Lady of Providence	Special	Men	Rom. Catholic

	Type	Men's, women's, coed	Affiliation
Tennessee			
Siena C.	4-year	Coed	Rom. Catholic
Texas			
Allen Academy	2-year	Coed	Independent
Dominican C.	4-year	Women	Rom. Catholic
U. of Corpus Christi	4-year	Coed	Baptist
U. of Plano	4-year	Coed	Independent
Virginia			
Fr. Judge Mission Seminary	Special	Men	Rom. Catholic
Luther Rice C.	2-year	Coed	Baptist
Stratford C.	4-year	Women	Independent
Sullins C.	2-year	Coed	Independent
Washington			
Sulpician Sem. of the Northwest	4-year	Coed	Rom. Catholic
West Virginia			
Greenbriar C.	2-year	Coed	Independent
Wisconsin			
C. of Racine	4-year	Coed	Independent
Layton Sch. of Art and Design	4-year	Coed	Independent
Mount St. Paul C.	4-year	Coed	Independent
St. Columban's C. and Seminary	Special	Men	Rom. Catholic
St. Lawrence Seminary	Special	Men	Rom. Catholic

Shifts to Public Control

	Type	Men's, women's, coed	Affiliation
Alabama			
Athens C. (Athens State C.)	4-year	Coed	United Meth.
Arizona			
Navajo C. C.	2-year	Coed	Independent
Florida			
New College (U. of South Florida)	4-year	Coed	Independent
Georgia			
Gordon Military C. (Gordon Jr. C.)	2-year	Coed	Independent
Indiana			
Fort Wayne Art Inst. (Purdue U.-Indiana U. at Ft. Wayne)	4-year	Coed	Independent
Maryland			
U. of Baltimore	4-year	Coed	Independent
Michigan			
Michigan C. of Osteopathic Med. (Michigan State U.)	Special	Coed	Independent

	Type	Men's, women's, coed	Affiliation
New York			
Voorhees Technical Inst. (New York City C. C.)	2-year	Coed	Independent
North Carolina			
Mitchell C.	2-year	Coed	Independent
Ohio			
Salmon P. Chase C. of Law (Northern Kentucky State C.)	Special	Coed	Independent
Western C. (Miami U.)	4-year	Coed	Independent
South Carolina			
C. of Charleston	4-year	Coed	Independent
Palmer C. (Trident Technical C.)	2-year	Coed	Independent
Texas			
South Texas Jr. C. (U. of Houston)	2-year	Coed	Independent
Texas C. of Osteopathic Med.	Special	Coed	Independent
West Virginia			
W. Va. Sch. of Osteopathic Med.	Special	Coed	Independent

Mergers

	Type	Men's, women's, coed	Affiliation
Alabama			
Cullman C. (So. Benedictine C.)	2-year	Coed	Rom. Catholic
St. Bernard C. (So. Benedictine C.)	4-year	Coed	Rom. Catholic
California			
Loyola U. of Los Angeles (Loyola Marymount U.)	4-year	Men	Rom. Catholic
Marymount C. (Loyola Marymount U.)	4-year	Coord.	Rom. Catholic
Rosemead Graduate Sch. of Psychology (Biola C.)	Special	Coed	Independent
Russell C. (U. of San Francisco)	4-year	Women	Rom. Catholic
San Diego C. for Women (U. San Diego Coord. C's)	4-year	Coed	Independent
U. of San Diego C. for Men (U. San Diego Coord. C's)	4-year	Coord.	Rom. Catholic
U. of San Diego Coord. C's (U. of San Diego)	4-year	Coord.	Rom. Catholic
U. of San Diego Sch. of Law (U. of San Diego)	Special	Coed	Rom. Catholic
Connecticut			
Berkeley Divinity Sch. (Yale U.)	Special	Coed	Prot. Epis.
Georgia			
Atlanta Baptist C.	4-year	Coed	So. Baptist
Hawaii			
Church C. of Hawaii (Brigham Young U.-Hawaii)	4-year	Coed	L-D Saints
Mauna Olu C. of Maui (U. S. International U. of San Diego)	4-year	Coed	Independent
Illinois			
Evangelical Theological Sem. (Garrett-Evangelical Theol. Sem.)	Special	Coed	United Meth.
Garrett Biblical Inst. (Garrett-Evangelical Theol. Sem.)	Special	Coed	United Meth.
Pestalozzi Froebel Teachers C. (Nat'l C. of Ed.-Urban Campus)	Special	Coed	Independent
Kansas			
Miltonvale Wesleyan C. (Bartlesville Wesleyan C.)	2-year	Coed	Wesleyan
Mount St. Scholastica C. (Benedictine C.)	4-year	Women	Rom. Catholic
St. Benedict's C. (Benedictine C.)	4-year	Men	Rom. Catholic

	Type	Men's, women's, coed	Affiliation
Maryland			
Baltimore C. of Commerce (U. of Baltimore)	4-year	Coed	Independent
Eastern C. (U. of Baltimore)	4-year	Coed	Independent
Mount St. Agnes C. (Loyola C.)	4-year	Women	Rom. Catholic
Massachusetts			
Episcopal Theological Sch. (Episcopal Divinity Sch.)	Special	Coed	Prot. Epis.
Leicester Jr. C. (Becker Jr. C.-Leicester)	2-year	Coed	Independent
Newton C. (Boston C.)	4-year	Women	Rom. Catholic
Perry Normal Sch. (Curry C.)	4-year	Coed	Independent
Wentworth C. of Technology (Wentworth Inst. of Technology)	4-year	Coed	Independent
Wentworth Inst. (Wentworth Inst. of Technology)	2-year	Coed	Independent
Minnesota			
Midwestern Sch. of Law (Hamline U.)	Special	Coed	Independent
Missouri			
Mercy Jr. C. (Maryville C. of the Sacred Heart)	2-year	Women	Rom. Catholic
New York			
C. of White Plains (Pace U.)	4-year	Coed	Independent
Inst. for Adv. Studies in the Humanities (Jewish Theol. Sem. of Amer.)	Special	Coed	Independent
Kirkland C. (Hamilton C.)	4-year	Women	Independent
Notre Dame C. of Staten Island (St. John's U.)	4-year	Coed	Rom. Catholic
Pennsylvania			
Crozer Theological Sem. (Colgate-Rochester Div. Sch.)	Special	Coed	Baptist
Div. Sch. of the Prot. Epis. Ch. (Episcopal Div. Sch., Mass.)	Special	Coed	Prot. Epis.
Texas			
Christian C. of the Southwest (Abilene Christian C.)	2-year	Coed	Ch. of Christ
Fort Worth Christian C. (Abilene Christian C.)	2-year	Coed	Ch. of Christ
Vermont			
Vermont C. (Norwich U.)	4-year	Coed	Independent

SOURCE: NATIONAL ASSOCIATION OF INDEPENDENT COLLEGES AND UNIVERSITIES

State Associations of Private Colleges

National Association of Independent Colleges and Universities

Council for the Advancement of Private Colleges in Alabama
c/o Huntingdon College, 1500 East Fairview, Montgomery 36106
(205) 263-1611
David K. Morris, Director of Public Relations

Arkansas Council of Independent Colleges and Universities
214 Hall Building, 209 West Capitol Ave., Little Rock 72201
(501) 387-0843
William R. Patterson, President

Association of Independent California Colleges and Universities
37 Brookhollow Dr., Santa Ana 92705
(714) 546-7770
Morgan Odell, Executive Director

Connecticut Conference of Independent Colleges
36 Gillett St., Hartford 06105
(203) 522-0271
W. Lewis Hyde, Executive Director

Delaware Association of Independent Colleges
c/o Goldey Beacom College, 4701 Limestone Rd., Wilmington 19808
(302) 571-2100
William R. Baldt, President

Consortium of Universities of the Washington Metropolitan Area
1717 Massachusetts Ave., NW, Suite 401, Washington, D.C. 20036
(202) 265-1313
Rev. John P. Whalen, Executive Director

Independent Colleges and Universities of Florida, Inc.
5013 Central Ave., St. Petersburg 33710
(813) 343-5496
George P. Russell, Executive Secretary

Association of Private Colleges and Universities in Georgia
3121 Maple Dr., NE, Suite 2, Atlanta 30305
(404) 237-1988
DuPree Jordan, Jr., Executive Director

Federation of Independent Illinois Colleges and Universities
990 Grove St., Evanston 60201
(312) 864-1000

Independent Colleges and Universities of Indiana, Inc.
306 Guaranty Building, Indianapolis 46204
(317) 635-2655
Robert E. Martin, President

Iowa Association of Private Colleges and Universities
Suite 307, Equitable Building, Sixth & Locust, Des Moines 50309
(515) 282-3175
Wendell Q. Halverson, President

Associated Independent Colleges of Kansas
515 Capitol Federal Building, Topeka 66603
(913) 235-9877
Robert N. Kelly, Executive Director

Council of Independent Kentucky Colleges and Universities
P.O. Box 668, Danville 40422
(606) 236-3533
John W. Frazer, Executive Director

Louisiana Association of Independent Colleges and Universities
c/o Loyola University, 6363 St. Charles Ave., New Orleans 70118
(504) 865-2121
Fr. John Keller, S.J. President

Commission on Independent Colleges of Maine
c/o Colby College, Waterville 04901
(207) 873-1131
Robert E. L. Strider, President

Maryland Association of Independent Colleges and Universities
208 Duke of Gloucester St., Annapolis 21401
(301) 269-0306
J. Elizabeth Garraway, Executive Director

Association of Independent Colleges and Universities in Massachusetts
11 Beacon St., Suite 1224, Boston 02108
(617) 742-5147
Frank (Sandy) A. Tredinnick, Jr., Executive Vice President

Association of Independent Colleges and Universities of Michigan
830 Michigan National Tower, P.O. Box 10186, Lansing 48901
(517) 372-9160
John L. Gaffney, President

Minnesota Private College Council
10 Capitol Square Building, 550 Cedar St., St. Paul 55101
(612) 225-4566
Harvey Stegemoeller, Executive Director

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c/o Millsaps College, Box 15417, Jackson 39210
(601) 354-5201
Juliet W. Dantin, Executive Secretary

Independent Colleges and Universities of Missouri
P.O. Box 179, St. Louis 63166
(314) 534-8788
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Montana Independent College Association
c/o The College of Great Falls, Great Falls 59401
(406) 761-8210
William A. Shields, President

Association of Independent Colleges and Universities of Nebraska
7100 West Center Rd., Suite 109, Univac Building, Omaha 68106
(402) 393-8277
Howard B. Dooley, President

Association of Independent Colleges and Universities in New Jersey
564 Springdale Ave., East Orange 07017
(201) 674-3111
W. Noel Johnston, President

Council of Independent Colleges and Universities of New Mexico
P.O. Box 26114, Albuquerque 87125
(505) 255-6633
Robert J. Koch, Executive Director

Commission on Independent Colleges and Universities (New York)
37 Elk St., Albany, N.Y. 12224
(518) 436-4781
Henry Paley, President

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1307 Glenwood Ave., Suite 165, Raleigh 27605
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50 West Broad St., Suite 711,
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Oklahoma Association of Independent Colleges and Universities
P.O. Box 832, Oklahoma City 73101
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Oregon Independent Colleges Association
Suite P-1, Riviera Plaza, 1618 Southwest First Ave., Portland 97201
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Commision of Independent Colleges and Universities (Pennsylvania)
800 North Third St., Harrisburg, PA. 17102
(717) 232-8649
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Rhode Island Independent Higher Education Association
3670 West Shore Rd., Warwick 02886
(401) 738-1528
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South Carolina College Council, Inc.
Box 6998, Greenville 29606
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1501 Prairie Ave., Sioux Falls 57105
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1719 West End Building, Nashville 37203
(615) 329-2111
Nyles C. Ayers, President

Independent Colleges and Universities of Texas, Inc.
ACU Station, P.O. Box 7842, Abilene 79601
(915) 677-1911
Robert D. Hunter, Executive Vice President

Vermont Association of Independent Colleges
c/o Norwich University, Northfield 05663
(802) 485-5071

Vermont Association (Continued)
Loring E. Hart, Chairman

Council of Independent Colleges in Virginia
P.O. Box 5747, Charlottesville 22903
(804) 295-0357
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Washington Friends of Higher Education
100 South King St., Room 365-Westland Building, Seattle 98104
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David M. Irwin, Executive Vice President

West Virginia Association of Private Colleges
415½ D St., P.O. Box 8276, South Charleston 25303
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Wisconsin Association of Independent College and Universities
1002 Tenney Building, 110 East Main St., Madison 53703
(608) 256-7761
Don Bell, Executive Director

Independent College Funds of America

Alabama Association of Independent Colleges and Universities
6 Office Park Circle, Suite 112,
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Missouri Colleges Fund, Inc.
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Nebraska Independent College Foundation, Inc.
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Independent College Fund of New Jersey
387 Morris Ave., P.O. Box 269, Summit 07901
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New Mexico Independent College Association, Inc.
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Jo Ann Baxter, Executive Director

Empire State Foundation of Independent Liberal Arts Colleges, Inc.
11 East 44th St., Suite 1407, New York 10017
(212) 687-0131
K. Mark Lyons II, President

Independent College Fund of North Carolina, Inc.
Box 10430, Winston-Salem 27108
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Helmut Hofmann, President

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(414) 273-5980
Joseph R. Bina, Jr., Executive Director

SOURCES: THE INDEPENDENT COLLEGE FUNDS OF AMERICA AND THE NATIONAL ASSOCIATION OF INDEPENDENT COLLEGES AND UNIVERSITIES

Statewide Agencies for Higher Education

Following are the statewide agencies that oversee colleges and universities in the 50 states and the District of Columbia, their addresses and telephone numbers, and the names of their chief executive officers, as of May 15, 1979.

Governing boards are indicated by (G) and coordinating boards by (C).

ALABAMA
Alabama Commission on Higher Education
One Court Square
Montgomery 36104
John F. Porter, executive director
(205) 832-6555
(C)

ALASKA
Board of Regents
University of Alaska Statewide System
Fairbanks 99701
Foster Diebold, president of the university
(907) 479-7311
(G)

ARIZONA
Arizona Board of Regents
1535 West Jefferson, Suite 121
Phoenix 85007
Robert A. Huff, executive coordinator
(602) 255-4082
(G)

ARKANSAS
Department of Higher Education
1301 West 7th Street
Little Rock 72201
M. Olin Cook, director
(501) 371-1441
(C)

CALIFORNIA
California Postsecondary Education Commission
1020 12th Street
Sacramento 95814
Patrick M. Callan, director
(916) 445-7933
(C)

COLORADO
Colorado Commission on Higher Education
1550 Lincoln Street
Denver 80203
Lee R. Kerschner, executive director
(303) 839-2723
(C)

CONNECTICUT
State Board of Higher Education
340 Capitol Avenue
Hartford 06115
Michael D. Usdan, commissioner
(203) 566-3913
(C)

DELAWARE
Delaware State College*
Dover 19901
Luna I. Mishoe, president
(302) 678-4901
(G)

DISTRICT OF COLUMBIA
District of Columbia Commission on Postsecondary Education
1329 E Street, N.W.
Washington 20004
Eloise S. Turner, executive secretary
(202) 727-3685
(C)

FLORIDA
Florida Board of Regents
Collins Building
107 West Gaines Street
Tallahassee 32301
E. T. York, chancellor
(904) 488-4234
(G)

GEORGIA
Board of Regents of the University System of Georgia
244 Washington Street, S.W.
Atlanta 30334
George L. Simpson, Jr., chancellor
(404) 656-2202
(G)

HAWAII
Hawaii State Postsecondary Education Commission
Bachman Hall, Room 124F
2444 Dole Street
Honolulu 96822
Fujio Matsuda, administrative officer
(808) 948-6862
(C)

IDAHO
State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 384-2270
(G)

ILLINOIS
Illinois Board of Higher Education
4 West Old Capitol Square
500 Reisch Building
Springfield 62701
James M. Furman, executive director
(217) 782-2551
(C)

INDIANA
Indiana Commission for Higher Education
143 West Market Street
Indianapolis 46204
George B. Weathersby, commissioner
(317) 633-6474
(C)

IOWA
Iowa State Board of Regents
Lucas State Office Building
Des Moines 50319
R. Wayne Richey, executive secretary
(515) 281-3934
(G)

KANSAS
Board of Regents, State of Kansas
Merchants National Bank Tower
Topeka 66612
John J. Conard, executive officer
(913) 296-3421
(G)

KENTUCKY

Council on Higher Education
West Frankfort Office Complex
Frankfort 40601
Harry M. Snyder, executive director
(502) 564-3553
(C)

LOUISIANA

Louisiana Board of Regents
One American Place, Suite 1530
Baton Rouge 70825
William Arceneaux, commissioner
(504) 342-4253
(C)

MAINE

University of Maine Board of Trustees
107 Maine Avenue
Bangor 04401
Patrick E. McCarthy, chancellor
(207) 947-0336
(G)

MARYLAND

Maryland State Board for Higher Education
16 Francis Street
Annapolis 21401
Sheldon H. Knorr, commissioner
(301) 269-2971
(C)

MASSACHUSETTS

Board of Higher Education
31 Saint James Avenue
Boston 02116
Edward C. McGuire, chancellor
(617) 727-5360
(C)

MICHIGAN

State Board of Education
P. O. Box 30008
Lansing 48909
John W. Porter, superintendent of public instruction
(517) 373-3354
(C)

MINNESOTA

Minnesota Higher Education Coordinating Board

MINNESOTA—Continued

400 Capitol Square
St. Paul 55101
Clyde R. Ingle, executive director
(612) 296-3974
(C)

MISSISSIPPI

Board of Trustees of State Institutions of Higher Learning
P. O. Box 2336
Jackson 39205
E. E. Thrash, executive secretary
(601) 982-6611
(G)

MISSOURI

Coordinating Board for Higher Education
600 Monroe Avenue
Jefferson City 65101
Bruce Robertson, commissioner
(314) 751-2361
(C)

MONTANA

Montana Board of Regents of Higher Education
33 South Last Chance Gulch
Helena 59601
Lawrence K. Pettit, commissioner
(406) 449-3024
(G)

NEBRASKA

Nebraska Coordinating Commission for Postsecondary Education
301 Centennial Mall, South
P. O. Box 95005
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA

Board of Regents, University of Nevada System
405 Marsh Avenue, Reno 89509
Donald H. Baepler, chancellor
(702) 784-4901
(G)

NEW HAMPSHIRE

New Hampshire Postsecondary Education Commission
61 South Spring Street
Concord 03301

HAMPSHIRE—Continued

James A. Busselle, executive director
(603) 271-2555
(C)

NEW JERSEY

State Board of Higher Education
225 West State Street
Trenton 08625
T. Edward Hollander, chancellor
(609) 292-4310
(C)

NEW MEXICO

Board of Educational Finance
1068 Cerrillos Road
Santa Fe 87503
Donald S. Stuart, acting executive secretary
(505) 827-2115
(C)

NEW YORK

Regents of the University of the State of New York
State Education Department
Albany 12234
Gordon M. Ambach, commissioner of education and president of the University of the State of New York
(518) 474-5844
(G)

NORTH CAROLINA

Board of Governors of the University of North Carolina
P. O. Box 2688
Chapel Hill 27514
William C. Friday, president
(919) 933-6981
(G)

NORTH DAKOTA

North Dakota State Board of Higher Education
State Capitol Building
Bismarck 58505
Kent G. Alm, commissioner
(701) 224-2960
(G)

OHIO

Ohio Board of Regents
30 East Broad Street
Columbus 43215
Edward Q. Moulton, chancellor
(614) 466-6000
(C)

OKLAHOMA

Oklahoma State Regents for Higher Education
500 Education Building
State Capitol Complex
Oklahoma City 73105
E. T. Dunlap, chancellor
(405) 521-2444
(C)

OREGON

Educational Coordinating Commission
495 State Street
Salem 97310
T. K. Olson, executive director
(503) 378-3921
(C)

PENNSYLVANIA

State Board of Education
Box 911
Harrisburg 17126
Warren E. Ringler, commissioner of higher education
(717) 787-5041
(G)

RHODE ISLAND

Board of Regents for Education
199 Promenade Street
Providence 02908
Thomas C. Schmidt, commissioner
(401) 277-2088
(G)

SOUTH CAROLINA

South Carolina Commission on Higher Education
1429 Senate Street
Columbia 29201
Howard R. Boozer, executive director
(803) 758-2407
(C)

SOUTH DAKOTA

South Dakota Board of Regents
Kneip Office Building
Pierre 57501
Richard L. Bowen, commissioner
(605) 223-3455
(G)

TENNESSEE

Tennessee Higher Education Commission
501 Union Building, Suite 300
Nashville 37219
G. Wayne Brown, executive director
(615) 741-3605
(C)

TEXAS

Coordinating Board, Texas College and University System
P. O. Box 12788, Capitol Station
Austin 78711
Kenneth H. Ashworth, commissioner of higher education
(512) 475-4361
(C)

UTAH

State Board of Regents
807 East South Temple Street
Salt Lake City 84102
Terrel H. Bell, commissioner of higher education
(801) 533-5617
(G)

VERMONT

Vermont State Colleges Board of Trustees*
P. O. Box 349
Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-7871
(G)

VIRGINIA

State Council of Higher Education
700 Fidelity Building
Ninth and Main Streets
Richmond 23219
Gordon K. Davies, director
(804) 786-2143
(C)

WASHINGTON

Council for Postsecondary Education
908 East Fifth Avenue
Olympia 98504
Chalmers Gail Norris, executive coordinator
(206) 753-3241
(C)

WEST VIRGINIA

West Virginia Board of Regents
950 Kanawha Boulevard, East
Charleston 25301
Ben L. Morton, chancellor
(304) 348-2101
(G)

WISCONSIN

Board of Regents of the University of Wisconsin System
1860 Van Hise Hall, 1220 Linden
Drive, Madison 53706
H. Edwin Young, president of the university system
(608) 262-2324
(G)

WYOMING

Board of Trustees of the University of Wyoming
P. O. Box 3434, University Station
Laramie 82071
Edward H. Jennings, president of the university
(307) 766-4121
(G)

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* University of Delaware and University of Vermont have their own governing boards.

Statewide Agencies for 2-Year Colleges

Following are the names, addresses, and telephone numbers of the statewide boards responsible for two-year colleges in 49 states, including the names of their executive officers, as of May 15, 1979. Governing boards are indicated by (G), coordinating boards by (C).

South Dakota and the District of Columbia have no public, two-year colleges.

ALABAMA

Alabama State Department of Education
Postsecondary Division
817 South Court Street
Montgomery 36104
Erskine S. Murray, assistant superintendent for postsecondary education services
(205) 832-[illegible]40
(G)

ALASKA

Board of Regents
University of Alaska Statewide System
Fairbanks 99701
Foster Diebold, president of the university
(907) 479-7311
(G)

ARIZONA

State Board of Directors for Community Colleges
1535 West Jefferson, Suite 123
Phoenix 85007
Russell O. Bloyer, executive director
(602) 255-4037
(G)

ARKANSAS

Department of Higher Education
1301 West 7th Street
Little Rock 72201
Thomas M. Spencer, Jr., associate director for community colleges
(501) 371-1441
(C)

CALIFORNIA

Board of Governors of California Community Colleges
1238 S Street
Sacramento 95814

CALIFORNIA—Continued

William G. Craig, chancellor
(916) 322-4005
(C)

COLORADO

State Board for Community Colleges and Occupational Education
State Services Building
1525 Sherman Street
Denver 80203
Terrence A. Tollefson, director for community colleges
(303) 839-3151
(G)

CONNECTICUT

Regional Community Colleges
1280 Asylum Avenue
Hartford 06105
Searle F. Charles, executive director
(203) 232-4817
(G)

DELAWARE

Delaware Technical and Community College
P. O. Box 897, Dover 19901
John R. Kotula, president
(302) 678-4621
(G)

FLORIDA

Florida Department of Education
Division of Community Colleges
Collins Building
107 West Gaines Street
Tallahassee 32301
Lee G. Henderson, director
(904) 488-1721
(G)

GEORGIA

Board of Regents of the University System of Georgia
244 Washington Street, S.W.
Atlanta 30334
Haskin R. Pounds, vice-chancellor for planning
(404) 656-2213
(G)

HAWAII

University of Hawaii
Bachman Hall
2444 Dole Street
Honolulu 96822
Edwin H. Mookini, chancellor for community colleges
(808) 948-7313
(G)

IDAHO

State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 384-2270
(G)

ILLINOIS

Illinois Community College Board
3085 Stevenson Drive
Springfield 62704
Fred L. Wellman, executive director
(217) 786-6000
(C)

INDIANA

Indiana Commission for Higher Education
143 West Market Street
Indianapolis 46204
George B. Weathersby, commissioner
(317) 633-6474
(C)

IOWA

Iowa State Board of Public Instruction
Grimes State Office Building
Des Moines 50319
Charles Moench, director of division of area schools
(515) 281-3599
(C)

KANSAS

State Department of Education
Postsecondary Administration Section, Community College Unit
120 East 10th Street
Topeka 66612

KANSAS—Continued

Sam Newland, director
(913) 296-3047
(G)

KENTUCKY

University of Kentucky
102 Breckinridge Hall
Lexington 40506
Stanley Wall, vice-president for community colleges
(606) 258-8607
(G)

LOUISIANA

Louisiana Board of Regents
One American Place, Suite 1530
Baton Rouge 70825
William Arceneaux, commissioner
(504) 342-4253
(C)

MAINE

University of Maine Board of Trustees
107 Maine Avenue
Bangor 04401
Patrick E. McCarthy, chancellor
(207) 947-0336
(G)

MARYLAND

Maryland State Board for Community Colleges
16 Francis Street
Annapolis 21401
Brent M. Johnson, executive director
(301) 269-2881
(C)

MASSACHUSETTS

Board of Regional Community Colleges
470 Atlantic Avenue
Boston 02210
Jules O. Pagano, president
(617) 727-1260
(G)

MICHIGAN

State Board of Education
P. O. Box 30008
Lansing 48909
Jack Shanahan, acting coordinator of community-college affairs
(517) 373-3820
(C)

MINNESOTA

Minnesota State Board for Community Colleges
301 Capitol Square
St. Paul 55101
Philip C. Helland, chancellor
(612) 296-3356
(G)

MISSISSIPPI

State Department of Education
Division of Junior Colleges
P. O. Box 771
Jackson 39205
George V. Moody, director
(601) 354-6962
(C)

MISSOURI

Coordinating Board for Higher Education
600 Monroe Avenue
Jefferson City 65101
Bruce Robertson, commissioner
(314) 751-2361
(C)

MONTANA

Montana Board of Regents of Higher Education
33 South Last Chance Gulch
Helena 59601
William Lannan, coordinator of community colleges
(406) 449-3024
(G)

NEBRASKA

Nebraska Coordinating Commission for Postsecondary Education
301 Centennial Mall, South
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA

Board of Regents, University of Nevada System
405 Marsh Avenue
Reno 89509
Donald H. Baepler, chancellor
(702) 784-4901
(G)

NEW HAMPSHIRE

State Department of Education
Division of Postsecondary Education
163 Loudon Road, Concord 03301
Charles H. Green, division chief
(603) 271-2722
(G)

NEW JERSEY

State Board of Higher Education
225 West State Street
Trenton 08625
Edward D. Goldberg, director, office of community college programs
(609) 292-4470
(C)

NEW MEXICO

Board of Educational Finance
1068 Cerrillos Road
Santa Fe 87503
William C. Witter, assistant executive secretary
(505) 827-2115
(C)

NEW YORK

State University of New York
State University Plaza
Albany 12246
Cornelius V. Robbins, associate chancellor
(518) 473-1849
(C)

NORTH CAROLINA

State Board of Education
Department of Community Colleges
Education Building, Room 194
116 West Edenton Street
Raleigh 27611
Larry J. Blake, president
(919) 733-7051
(G)

NORTH DAKOTA

North Dakota State Board of Higher Education
State Capitol Building
Bismarck 58505
Kent G. Alm, commissioner
(701) 224-2960
(G)

OHIO

Ohio Board of Regents

OHIO—Continued
30 East Broad Street
Columbus 43215
Max J. Lerner, vice-chancellor
for two-year campuses
(614) 466-5810
(C)

OKLAHOMA
Oklahoma State Regents for Higher
Education
500 Education Building
State Capitol Complex
Oklahoma City 73105
E.T. Dunlap, chancellor
(405) 521-2444
(C)

OREGON
Oregon Department of Education
Division of Community Colleges
942 Lancaster Drive, N. E.
Salem 97310
Robert E. Hamill, associate superintendent
(503) 378-8609
(C)

PENNSYLVANIA
State Board of Education
Box 911
Harrisburg 17126
Joseph E. Bruno, coordinator for community
colleges
(717) 787-1790
(G)

RHODE ISLAND
Rhode Island Junior College
State System
400 East Avenue
Warwick 02886
Edward J. Liston, president
(401) 825-2188
(C)

SOUTH CAROLINA
State Board for Technical
and Comprehensive Education
Rutledge Building
1429 Senate Street
Columbia 29201
G. William Dudley, Jr., executive director
(803) 758-3173
(G)

TENNESSEE
State Board of Regents (State University
and Community College System
of Tennessee)
1161 Murfreesboro Road
Nashville 37217
Roy S. Nicks, chancellor
(615) 741-4821
(G)

TEXAS
Coordinating Board, Texas College and
University System
P. O. Box 12788, Capitol Station
Austin 78711
David T. Kelly, head, division of
community colleges and continuing
education
(512) 475-3413
(C)

UTAH
State Board of Regents
807 East South Temple Street
Salt Lake City 84102
Robert M. Worthington, associate
commissioner
(801) 533-5617
(G)

VERMONT
Vermont State Colleges Board of
Trustees
P. O. Box 349, Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-7871
(G)

VIRGINIA
Virginia Community College System
P. O. Box 1558
Richmond 23212
Dana B. Hamel, chancellor
(804) 786-2231
(G)

WASHINGTON
State Board for Community College
Education
319 Seventh Avenue
Olympia 98504
John N. Terrey, executive director
(206) 753-7412
(G)

WEST VIRGINIA
West Virginia Board of Regents
950 Kanawha Boulevard, East
Charleston 25301
Ben L. Morton, chancellor
(304) 348-2101
(G)

WISCONSIN
Wisconsin Board of Vocational, Technical
and Adult Education
4802 Sheboygan Avenue
Madison 53702
Robert P. Sorenson, director and executive
officer
(608) 266-1770
(G)

WYOMING
Wyoming Community College
Commission
New Boyd Building
1720 Carey Avenue
Cheyenne 82002
Russell A. Hansen, executive secretary
(307) 777-7763
(C)

Statewide Agencies for Vocational Schools

Following are the names, addresses, and telephone numbers of the statewide boards responsible for postsecondary vocational-technical institutions in 48 states and the District of Columbia, together with the names of their chief executive officers as of May 15, 1979. Governing boards are indicated by (G), coordinating boards by (C).

Alaska has no public postsecondary vocational-technical institutions.

ALABAMA

Alabama State Department of Education
Postsecondary Division
817 South Court Street
Montgomery 36104
Erskine S. Murray, assistant superintendent for postsecondary education services
(205) 832-3340
(G)

ARIZONA

State Board of Directors for Community Colleges
1535 West Jefferson, Suite 123
Phoenix 85007
Russell O. Bloyer, executive director
(602) 255-4037
(G)

ARKANSAS

Department of Education
Division of Vocational, Technical and Adult Education
Arch Ford Education Building
Little Rock 72201
Luther Hardin, associate director for vocational education
(501) 371-2165
(G)

CALIFORNIA

California Advisory Council on Vocational Education
708 10th Street, Suite 260
Sacramento 95814
Thomas M. Bogetich, executive director
(916) 445-0698
(C)

COLORADO

State Board for Community Colleges and Occupational Education
State Services Building
1525 Sherman Street
Denver 80203
James W. Wilson, director for occupational education
(303) 839-3071
(G)

CONNECTICUT

Board of Trustees for State Technical Colleges
61 Woodland Street
Hartford 06105
Clinton E. Tatsch, executive director
(203) 566-3976
(G)

DELAWARE

Delaware Technical and Community College
P. O. Box 897
Dover 19901
John R. Kotula, president
(302) 678-4621
(G)

DISTRICT OF COLUMBIA

District of Columbia Commission on Postsecondary Education
1329 E Street, N. W.
Washington 20004
Eloise S. Turner, executive secretary
(202) 727-3685
(C)

FLORIDA

Florida Department of Education
Division of Vocational Education
Knott Building
Tallahassee 32301
Joe D. Mills, director
(904) 488-8961
(G)

GEORGIA

Georgia Department of Education
Office of Vocational Education
237 State Office Building
Atlanta 30334
Joseph G. Freund, associate state superintendent
(404) 656-6711
(C)

HAWAII

University of Hawaii
Bachman Hall
2444 Dole Street
Honolulu 96822
Samson Shigetomi, state director for vocational education
(808) 948-[illegible]461
(G)

IDAHO

State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 384-2270
(G)

ILLINOIS

Illinois Community College Board
3085 Stevenson Drive
Springfield 62704
Fred L. Wellman, executive director
(217) 786-6000
(C)

INDIANA

State Board of Vocational and Technical Education
401 Illinois Building
17 West Market Street
Indianapolis 46204
Don K. Gentry, executive officer
(317) 633-7673
(C)

IOWA

Department of Public Instruction
Grimes State Office Building
Des Moines 50319
Jim Athen, director of career-education division
(515) 281-4700
(C)

KANSAS
State Department of Education
Vocational Education
120 East 10th Street
Topeka 66612
Dean Prochaska, director
(913) 296-3951
(C)

KENTUCKY
State Department of Education
Bureau of Vocational Education
Capital Plaza Tower
Frankfort 40601
Billy R. Howard, assistant superintendent
for vocational education
(502) 564-42[illegible]6
(G)

LOUISIANA
State Department of Education
Division of Vocational Education
Department of Education Building
P. O. Box 44064
Baton Rouge 70804
N. James Stafford, Jr., assistant superintendent
for vocational education
(504) 342-3524
(G)

MAINE
Department of Educational and Cultural
Services
Bureau of Vocational Education
Education Building
Augusta 04333
Elwood Padham, associate commissioner
(207) 289-2621
(G)

MARYLAND
State Department of Education
Division of Vocational-Technical Education
P. O. Box 8717
Baltimore-Washington International Airport
Baltimore 21240
Addison S. Hobbs, assistant state
superintendent in vocational-technical
education
(301) 796-8300
(G)

MASSACHUSETTS
Board of Education
Bureau of Postsecondary
Occupational-Technical Education

MASSACHUSETTS—Continued
Park Square Building
31 Saint James Avenue
Boston 02116
Anthony V. Cipriano, director
(617) 727-8143
(G)

MICHIGAN
State Board of Education
P. O. Box 30008
Lansing 48909
Arnold Loomis, acting director of
vocational-technical education services
(517) 373-3373
(C)

MINNESOTA
State Department of Education
State Board for Vocational Education
500 Capitol Square
St. Paul 55101
Robert P. Van Tries, assistant
commissioner for vocational education
(612) 296-3994
(G)

MISSISSIPPI
State Department of Education
Division of Vocational-Technical Education
P. O. Box 771
Jackson 39205
Elwyn Wheat, director
(601) 354-6980
(C)

MISSOURI
Coordinating Board for Higher Education
Department of Higher Education
600 Monroe Avenue
Jefferson City 65101
Bruce Robertson, commissioner
(314) 751-2361
(C)

MONTANA
Office of Public Instruction
State Capitol
Helena 59601
Larry C. Key, director of vocational education
(406) 449-3126
(C)

NEBRASKA
Nebraska Coordinating Commission
for Postsecondary Education

NEBRASKA—Continued
301 Centennial Mall, South
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA
Board of Regents, University of Nevada
System
405 March Avenue
Reno 89509
Donald H. Baepler, chancellor
(702) 784-4901
(G)

NEW HAMPSHIRE
State Department of Education
Division of Postsecondary
Education
163 Loudon Road
Concord 03301
Charles H. Green, division chief
(603) 271-2722
(G)

NEW JERSEY
Department of Education
Division of Vocational Education
and Career Preparation
225 West State Street
Trenton 08625
William Wenzel, assistant commissioner
(609) 292-6340
(C)

NEW MEXICO
State Department of Education
Vocational-Technical Education
Education Building
Santa Fe 87503
Wilma Ludwig, state director of vocational
education
(505) 827-3150
(G)

NEW YORK
Regents of the University of the State
of New York
State Education Department
Albany 12234
Gordon M. Ambach, commissioner
of education and president of the
University of the State of New York
(518) 474-5880
(G)

NORTH CAROLINA
State Board of Education
Department of Community Colleges
Education Building, Room 194
116 West Edenton Street
Raleigh 27611
Larry J. Blake, president
(919) 733-7051
(G)

NORTH DAKOTA
North Dakota State Board for Vocational Education
900 East Boulevard
Bismarck 58505
Carroll Burchinal, state director
(701) 224-2259
(G)

OHIO
Ohio Board of Regents
30 East Broad Street
Columbus 43215
Max J. Lerner, vice-chancellor
(614) 466-5810
(C)

OKLAHOMA
Oklahoma State Regents for Higher Education
500 Education Building
State Capitol Complex
Oklahoma City 73105
E. T. Dunlap, chancellor
(405) 521-2444
(C)

OREGON
Oregon Department of Education
Instructional Services Division, Career and Vocational Education
942 Lancaster Drive, N. E.
Salem 97310
Monty Multanen, director of career and vocational education
(503) 378-3584
(C)

PENNSYLVANIA
State Board of Education
Box 911
Harrisburg 17126
John W. Struck, director of vocational education
(717) 787-5530
(G)

RHODE ISLAND
Rhode Island Junior College State System
400 East Avenue, Warwick 02886
Edward J. Liston, president
(401) 825-2188
(C)

SOUTH CAROLINA
State Board for Technical and Comprehensive Education
Rutledge Building
1429 Senate Street
Columbia 29201
G. William Dudley, Jr., executive director
(803) 758-3173
(G)

SOUTH DAKOTA
State Board of Vocational Education
State Office Building #3
Pierre 57501
David S. Bonde, director of vocational-technical education
(605) 773-3423
(G)

TENNESSEE
Department of Education
Division of Vocational-Technical Education
200 Cordell Hull Building
Nashville 37219
John Leeman, assistant commissioner for vocational-technical education
(615) 741-1716
(G)

TEXAS
State Department of Education
Department of Occupation Education
201 East 11th Street
Austin 78701
Ben F. Teague, associate commissioner for occupational education
(512) 475-2585
(G)

UTAH
State Board of Regents
807 East South Temple Street
Salt Lake City 84102
Robert M. Worthington, associate commissioner
(801) 533-5617
(G)

VERMONT
Vermont State Colleges Board of Trustees
P. O. Box 349
Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-7871
(G)

VIRGINIA
Virginia Community College System
P. O. Box 1558
Richmond 23212
Dana B. Hamel, chancellor
(804) 786-2231
(G)

WASHINGTON
Commission for Vocational Education
Airdustrial Park, Building 17
Olympia 98504
Homer J. Halverson, executive director
(206) 753-5662
(G)

WEST VIRGINIA
State Department of Education
Bureau of Vocational, Technical, and Adult Education
B221 State Capitol Complex, Bldg. 6
Charleston 25305
Clarence E. Burdette, assistant superintendent of schools
(304) 348-2346
(C)

WISCONSIN
Wisconsin Board of Vocational, Technical and Adult Education
4802 Sheboygan Avenue
Madison 53702
Robert P. Sorenson, director and executive officer
(608) 266-1770
(G)

WYOMING
Wyoming Community College Commission
New Boyd Building
1720 Carey Avenue
Cheyenne 82002
Russell A. Hansen, executive secretary
(307) 777-7763
(C)

Governors and Members of Congress

Following is a list of state governors and members of the U.S. Senate and House of Representatives, including party designation (D—Democratic, R—Republican), as of May 15, 1979

ALABAMA

Governor
Forrest "Fob" James, D
Senators
Howell Heflin, D
Donald Steward, D
Representatives
Tom Bevill, D
John Buchanan, R
William L. Dickinson, R
Jack Edwards, R
Ronnie G. Flippo, D
Bill Nichols, D
Richard C. Shelby, D

ALASKA

Governor
Jay S. Hammond, R
Senators
Mike Gravel, D
Ted Stevens, R
Representative
Don Young, R

AMERICAN SAMOA

Governor
Peter T. Coleman

ARIZONA

Governor
Bruce E. Babbitt, D
Senators
Dennis DeConcini, D
Barry Goldwater, R
Representatives
John R. Rhodes, R
Eldon Rudd, R
Bob Stump, D
Morris K. Udall, D

ARKANSAS

Governor
William Clinton, D
Senators
Dale Bumpers, D
David Pryor, D
Representatives
Bill Alexander, D
Beryl Anthony, Jr., D
Edwin R. Bethune, Jr., R
John Paul Hammerschmidt, R

CALIFORNIA

Governor
Edmund G. Brown, Jr., D
Senators
Alan Cranston, D
S. I. Hayakawa, R
Representatives
Glenn M Anderson, D
Robert E. Badham, R
Anthony C. Beilenson, D
George E. Brown, Jr., D
Clair W. Burgener, R
John L. Burton, D
Phillip Burton, D
Don H. Clausen, R
Tony Coelho, D
James C. Corman, D
George E. Danielson, D
William E. Dannemeyer, R
Ronald V. Dellums
Julian C. Dixon, D
Robert K. Dornan, R
Don Edwards, D
Vic Fazio, D
Barry M. Goldwater, Jr., R
Wayne Grisham, R
Augustus F. Hawkins, D
Harold T. Johnson, D
Robert J. Lagomarsino, R
Jerry Lewis, R
Jim Lloyd, D
Dan Lungren, R
Robert T. Matsui, D
George Miller, D
Norman Y. Mineta, D
Paul N. McCloskey, Jr., D
Carlos J. Moorhead, R
Leon E. Panetta, D
Charles Pashayan, Jr., R
Jerry M. Patterson, D
John H. Rousselot, R
Edward R. Roybal, D
Norman D. Shumway, R
Fortney H. Stark, Jr., D
William M. Thomas, R
Lionel Van Deerlin, D
Henry A. Waxman, D
Bob Wilson, R
Charles H. Wilson, D

COLORADO

Governor
Richard D. Lamm, D
Senators
William L. Armstrong, R,
Gary Hart, D
Representatives
James P. Johnson, R

COLORADO—Continued

Representatives
Ray Kogovsek, D
Ken Kramer, R
Pat Schroeder, D
Tim Wirth, D

CONNECTICUT

Governor
Ella T. Grasso, D
Senators
Abraham Ribicoff, D
Lowell P. Weicker, R
Representatives
William R. Cotter, D
Christopher J. Dodd, D
Robert N. Giamo, D
Stewart B. McKinney, R
Anthony T. Moffett, D
William R. Ratchford, D

DELAWARE

Governor
Pierre S. Du Pont IV, R
Senators
Joseph R. Biden, Jr., R
William V. Roth, Jr., D
Representative
Thomas B. Evans, Jr., R

DISTRICT OF COLUMBIA

Delegate
Walter Fauntroy, D

FLORIDA

Governor
Robert Graham
Senators
Lawton Chiles, D
Richard Stone, D
Representatives
L. A. Skip Bafalis, R
Charles E. Bennett, D
Bill Chappell Jr. D
Dante B. Fascell, D
Don Fuqua, D
Sam W. Gibbons, D
Earl Dewitt Hutto, D
Andy Ireland, D
Richard Kelly, R
William Lehman, D
Dan Mica, D
Bill Nelson, D
Claude Pepper, D
Edward J. Stack, D
C. W. Bill Young, R

GEORGIA

Governor
George Busbee, D
Senators
Sam Nunn, D
Herman E. Talmadge, D
Representatives
Doug Barnard, D
Jack Brinkley, D
Billy Lee Evans, D
Wyche Fowler, Jr., D
Newton Leroy Gingrich, R
Bo Ginn, D
Ed Jenkins, D
Elliott H. Levitas, D
Dawson Mathis, D
Larry P. McDonald, D

GUAM

Delegate
Antonio Borja Won Pat, D

HAWAII

Governor
George R. Ariyoshi, D
Senators
Daniel K. Inouye, D
Spark M. Matsunaga, D
Representatives
Daniel K. Akaka, D
Cecil Heftel, D

IDAHO

Governor
John V. Evans, D
Senators
Frank Church, D
James A. McClure, R
Representatives
George Hansen, R
Steven D. Symms, R

ILLINOIS

Governor
James R. Thompson, R
Senators
Charles H. Percy, R
Adlai E. Stevenson 3rd, D
Representatives
John B. Anderson, R
Frank Annunzio, D
Cardiss Collins, D
Tom Corcoran, R
Daniel B. Crane, R
Philip M. Crane, R
Edward J. Derwinski, R

ILLINOIS—Continued

Representatives
John N. Erlenborn, R
John G. Fary, D
Paul Findley, R
Henry H. Hyde, R
Edward R. Madigan, R
Robert M. McClory, R
Robert H. Michel, R
Morgan F. Murphy, D
George M. O'Brien, R
John E. Porter, R
Melvin Price, D
Tom Railsback, R
Dan Rostenkowski, D
Martin A. Russo, D
Paul Simon, D
Bennett M. Stewart, D
Sydney R. Yates, D

INDIANA

Governor
Otis R. Bowen, R
Senators
Birch Bayh, D
Richard G. Lugar, R
Representatives
Adam Benjamin, Jr., D
John Brademus, D
H. Joel Deckard, R
David W. Evans, D
Floyd J. Fithian, D
Lee H. Hamilton, D
Elwood H. Hillis, R
Andrew Jacobs, Jr., D
John T. Meyers, R
Dan Quayle, R
Philip R. Sharp, D

IOWA

Governor
Robert D. Ray, R
Senators
John C. Culver, D
Robert W. Jepson, R
Representatives
Berkley Bedell, D
Charles E. Grassley, R
Tom Harkin, D
Jim Leach, R
Neal Smith, D
Thomas J. Tauke, R

KANSAS

Governor
John Carlin, D
Senators
Nancy Landon Kassebaum, R
Robert J. Dole, R
Representatives
Dan Glickman, D
James E. Jeffries, R

KANSAS—Continued

Representatives
Keith G. Sebelius, R
Larry Winn, Jr., R
Robert "Bob" Whittaker, R

KENTUCKY

Governor
Julian Carroll, D
Senators
Wendell H. Ford, D
Walter Huddleston, D
Representatives
Tim Lee Carter, R
Larry H. Hopkins, R
Carroll Hubbard, Jr., D
Romano Mazzoli, D
William Natcher, D
Carl D. Perkins, D
M. Gene Snyder, R

LOUISIANA

Governor
Edwin W. Edwards, D
Senators
J. Bennett Johnston, Jr., D
Russell B. Long, D
Representatives
Lindy Boggs, D
John Breaux, D
Jerry Huckaby, D
Bob Livingston, R
Gillis W. Long, D
W. Henson Moore
David C. Treen, R

MAINE

Governor
Joseph E. Brennan, D
Senators
William S. Cohen, R
Edmund S. Muskie, D
Representatives
David F. Emery, R
Olympia J. Snow, R

MARYLAND

Governor
Harold Hughes, D
Senators
Charles C. Mathias, R
Paul S. Sarbanes, D
Representatives
Michael D. Barnes, D
Robert E. Bauman, R
Beverly B. Byron, D
Marjorie S. Holt, R
Clarence D. Long, D
Barbara A. Mikulski, D
Parren J. Mitchell, D
Gladys Noon Spellman, D

MASSACHUSETTS

Governor
Edward J. King, D
Senators
Edward M. Kennedy, D
Paul E. Tsongas, D
Representatives
Edward P. Boland, R
Silvio Conte, D
Brian J. Donnelly, D
Robert F. Drinan, D
Joseph D. Early, D
Margaret Heckler, R
Edward J. Markey, D
Nicholas Mavroules, D
John J. Moakley, D
Thomas P. O'Neill, Jr., D
James M. Shannon, D
Gerry E. Studds, D

MICHIGAN

Governor
William G. Milliken, R
Senators
Carl Levin, D
Donald W. Riegle, D
Representatives
Donald Joseph Albosta, D
James J. Blanchard, D
David E. Bonior, D
William M. Brodhead, D
William S. Broomfield, R
Bob Carr, D
John Conyers, D
Robert W. Davis, R
Charles C. Diggs, Jr., D
John D. Dingell, D
William D. Ford, D
Dale E. Kildee, D
Lucien N. Nedzi, D
Carl D. Pursell, R
Harold S. Sawyer, R
Dave Stockman, R
Bob Traxler, D
Guy Vander Jagt, R
Howard Wolpe, D

MINNESOTA

Governor
Albert H. Quie, R
Senators
Rudolph E. Boschwitz, R
David Durenberger, R
Representatives
Arlen Erdahl, R
Bill Frenzel, R
Tom Hagedorn, R
Richard Nolan, D
James L. Oberstar, D
Martin Olay Sabo, D
Arlan Strangeland, R
Bruce F. Vento, D

MISSISSIPPI

Governor
Charles C. Finch, D
Senators
Thad Cochran, R
John C. Stennis, D
Representatives
David Bowen, D
Jon Clifton Hinson, R
Trent Lott, R
Jamie L. Whitten, D
G. V. "Sonny" Montgomery, D

MISSOURI

Governor
Joseph P. Teasdale, D
Senators
John C. Danforth, R
Thomas F. Eagleton, D
Representatives
Richard Bolling, D
Bill D. Burlison, D
William Clay, D
E. Thomas Coleman, R
Richard A. Gephardt, D
Richard H. Ichord, D
Ike Skelton, D
Gene Taylor, R
Harold L. Volkmer, D
Robert A. Young, D

MONTANA

Governor
Thomas L. Judge, D
Senators
Max Baucus, D
John Melcher, D
Representatives
Ron Marlenee, R
Pat Williams, D

NEBRASKA

Governor
Charles Thone, R
Senators
James D. Exon, D
Edward Zorinsky, D
Representatives
Douglas K. Bereuter, R
John J. Cavanaugh, D
Virginia Smith, R

NEVADA

Governor
Robert List, R
Senators
Howard W. Cannon, D
Paul Laxalt, R
Representative
John Santini, D

NEW HAMPSHIRE

Governor

Hugh Gallen, D

Senators

John A. Durkin, D
Gordon J. Humphrey, R

Representatives

James C. Cleveland, R
Norman E. D'Amours, D

NEW JERSEY

Governor

Brendan T. Byrne, D

Senators

Bill Bradley, D
Harrison A. Williams, Jr., D

Representatives

James A. Courter, R
Millicent Fenwick, R
James J. Florio, D
Edwin B. Forsythe, R
Frank J. Guarini, D
Harold C. Hollenbeck, R
James J. Howard, D
William J. Hughes, D
Andrew Maguire, D
Joseph D. Minish, D
Edward J. Patten, D
Matthew J. Rinaldo, R
Peter W. Rodino, Jr., D
Robert A. Roe, D
Frank Thompson, Jr., D

NEW MEXICO

Governor

Bruce King, D

Senators

Peter V. Domenici, R
Harrison "Jack" Schmitt, R

Representatives

Manuel Lujan, Jr., R
Harold Runnels, D

NEW YORK

Governor

Hugh L. Carey, D

Senators

Jacob Javits, R
Daniel Patrick Moynihan, D

Representatives

Joseph P. Addabbo, D
Jerome A. Ambro, D
Mario Biaggi, D
Jonathan Bingham, D
William Carney, R
Shirley Chisholm, D
Barber B. Conable, Jr., R
Thomas J. Downey, D
Geraldine Ann Ferraro, D
Hamilton Fish, Jr., R
Robert Garcia, D
Benjamin A. Gilman, R

NEW YORK—Continued

Representatives

S. William Green, R
James M. Hanley, D
Elizabeth Holtzman, D
Frank Horton, R
Jack Kemp, R
John J. LaFalce, D
Gary A. Lee, R
Norman F. Lent, R
Stanley N. Lundine, D
Robert C. McEwan, R
Matthew F. McHugh, D
Doanld J. Mitchell, R
John M. Murphy, D
Henry J. Nowak, D
Richard L. Ottinger, D
Peter A. Peyser, D
Charles B. Rangel, D
Frederick W. Richmond, D
Benjamin S. Rosenthal, D
James H. Scheuer, D
Stephen J. Solarz, D
Gerald B. Solomon, R
Samuel S. Stratton, D
Ted Weiss, D
Lester L. Wolff, D
John W. Wydler, R
Leo C. Zeferetti, D

NORTH CAROLINA

Governor

James B. Hunt, Jr., D

Senators

Jesse A. Helms, R
Robert Morgan, D

Representatives

Ike Andrews, D
James T. Broyhill, R
L. H. Fountain, D
Lamar Gudger, D
W. G. "Bill" Hefner, D
Walter B. Jones, D
James G. Martin, R
Stephen L. Neal, D
Richardson Preyer, D
Charles Rose, D
Charles O. Whitley, D

NORTH DAKOTA

Governor

Arthur A. Link, D

Senators

Quentin N. Burdick, D
Milton R. Young, R

Representative

Mark Andrews, R

OHIO

Governor

James A. Rhodes, R

OHIO—Continued

Senators

John Glenn, D
Howard M. Metzenbaum, D

Representatives

Douglas Applegate, D
John M. Ashbrook, R
Thomas L. Ashley, D
Clarence J. Brown, R
Samuel L. Devine, R
Willis D. Gradison, Jr., R
Tennyson Guyer, R
Tony P. Hall, D
William J. Harsha, R
Thomas N. Kindness, R
Delbert L. Latta, R
Thomas A. Luken, D
Clarence E. Miller, R
Ronald M. Mottl, D
Mary Rose Oakar, D
Donald J. Pease, D
Ralph S. Regula, R
John F. Seiberling, D
J. William Stanton, R
Louis Stokes, D
Charles A. Vanik, D
Lyle Williams, R
Chalmers P. Wylie, R

OKLAHOMA

Governor

George Nigh, D

Senators

Henry L. Bellmon, R
David L. Boren, D

Representatives

Mickey Edwards, R
Glenn English, D
James R. Jones, D
Tom Steed, D
Michael L. Synar, D
Wesley W. Watkins, D

OREGON

Governor

Victor Atiyeh, R

Senators

Mark O. Hatfield, R
Bob Packwood, R

Representatives

Les AuCoin, D
Robert Duncan, D
Al Ullman, D
James Weaver, D

PENNSYLVANIA

Governor

Richard Thornburgh, R

Senators

H. John Heinz, 3rd, R
Richard S. Schweiker, R

PENNSYLVANIA—Continued

Representatives

Eugene V. Atkinson, D
Don Bailey, D
William F. Clinger, Jr., R
Lawrence Coughlin, R
Charles F. Dougherty, R
Robert W. Edgar, D
Allen E. Ertel, D
Daniel J. Flood, D
Joseph M. Gaydos, D
William F. Gooding, R
William "Bill" H. Gray, 3rd, D
Peter H. Kostmayer, D
Raymond F. Lederer, D
Marc L. Marks, R
Joseph M. McDade, R
William S. Moorhead, D
Austin J. Murphy, D
John P. Murtha, D
Michael O. Myers, D
Don Ritter, R
Richard T. Schulze, R
E. G. "Bud" Shuster
Doug Walgren, D
Robert S. Walker
Gus Yatron, D

PUERTO RICO

Governor

Carlos Romero Barcelo,
New Progressive Party

Resident Commissioner

Baltasar Corrada, N.P.P.

RHODE ISLAND

Governor

J. Joseph Garrahy, D

Senators

John H. Chafee, R
Claiborne Pell, D

Representatives

Edward P. Beard, D
Fernand St. Germain, D

SOUTH CAROLINA

Governor

Richard Riley, D

Senators

Ernest F. Hollings, D
Strom Thurmond, R

Representatives

Mendel J. Davis, D
Butler Derrick, D
Carroll Campbell, Jr., R
Kenneth L. Holland, D
John W. Jenrette, Jr., D
Floyd Spence, R

SOUTH DAKOTA

Governor

William Janklow, R

SOUTH DAKOTA—Continued

Senators
George McGovern, D
Larry Pressler, R
Representatives
James Abdnor, R
Thomas A. Daschle, D

TENNESSEE

Governor
Lamar Alexander, R
Senators
Howard H. Baker, Jr., R
James R. Sasser, D
Representatives
Robin L. Beard, R
William H. Boner, D
Marilyn Lloyd Boucard, D
John J. Duncan, R
Harold E. Ford, D
Albert Gore, Jr., D
Ed Jones, D
James H. Quillen, R

TEXAS

Governor
William P. Clements, R
Senators
Lloyd M. Bentsen, D
John G. Tower, R
Representatives
Bill Archer, R
Jack Brooks, D
James M. Collins, R
E. "Kika" de la Garza, D
Bob Eckhardt, D
Jonas M. Frost, D

TEXAS—Continued

Henry B. Gonzalez, D
Phil Gramm, D
Sam B. Hall, Jr., D
Kent R. Hance, D
Jack Hightower, D
Abraham Kazen, Jr., D
J. MArvin Leath, D
Mickey Leland, D
Tom Loeffler, R
James A. Mattox, D
Ronald E. Paul, R
J. J. "Jake" Pickle, D
Ray Roberts, D
Charles W. Stenholm, D
Richard C. White, D
James C. Wright, Jr., D
Joseph P. Wyatt, Jr., D
Charles Wilson, D

UTAH

Governor
Scott M. Matheson, D
Senators
Jake Garn, R
Orrin G. Hatch, R
Representatives
David P. Marriott, R
K. Gunn McKay, D

VERMONT

Governor
Richard A. Snelling, R
Senators
Patrick J. Leahy, D
Robert T. Stafford, R
Representative
James M. Jeffords, R

VIRGIN ISLANDS

Delegate
Melvin H. Evans, R

VIRGINIA

Governor
John Dalton, R
Senators
Harry F. Byrd, Jr., D
John W. Warner, R
Representatives
M. Caldwell Butler, R
Robert W. Daniel, Jr., R
W. C. "Dan" Daniel, D
Joseph L. Fisher, D
Herbert E. Harris, 2nd, D
J. Kenneth Robinson, R
David E. Satterfield, 3rd, D
Paul S. Trible, Jr., R
William C. Wampler, R
G. William Whitehurst, R

WASHINGTON

Governor
Dixy Lee Ray, D
Senators
Henry M. Jackson, D
Warren G. Magnuson, D
Representatives
Don Bonker, D
Norman D. Dicks, D
Thomas S. Foley, D
Mike Lowry, D
Mike McCormack, D
Joel Pritchard, R
Al Swift, D

WEST VIRGINIA

Governor
John D. Rockefeller, 4th, D
Senators
Robert C. Byrd, D
Jennings Randolph
Representatives
Robert H. Mollohan, D
Nick Rahall, 2nd, D
John Slack, D
Harley O. Staggers, D

WISCONSIN

Governor
Lee Dreyfus, R
Senators
Gaylord Nelson, D
William Proxmire, D
Representatives
Les Aspin, D
Alvin Baldus
Robert W. Kastenmeier, D
David R. Obey, D
Henry S. Reuss, D
F. James Sensenbrenner, Jr., R
Clement J. Zablocki, D

WYOMING

Governor
Ed Herschler, D
Senators
Alan K. Simpson, R
Malcolm Wallop, R
Representative
Richard B. Cheney, R

Education-Related Committees of the Senate

The list below shows committee and staff members as of May 15, 1979.

Committee on Appropriations

Subcommittee on Labor, Health, Education, and Welfare

Relevant jurisdiction: Appropriations for Department of Health, Education, and Welfare, including Office of Education, National Institute of Education, National Institutes of Health.

Democrats

Warren G. Magnuson (Wash.), chairman
Robert C. Byrd (W.Va.)
William Proxmire (Wis.)
Ernest F. Hollings (S.C.)
Thomas F. Eagleton (Mo.)
Birch Bayh (Ind.)
Lawton Chiles (Fla.)
Quentin N. Burdick (N.D.)
Daniel K. Inouye (Hawaii)

Republicans

Richard S. Schweiker (Pa.), ranking minority member
Charles McC. Mathias, Jr. (Md.)
Mark O. Hatfield (Ore.)
Lowell P. Weicker, Jr. (Conn.)
Harrison "Jack" Schmitt (N.M.)

Majority staff: Sam Hunt, contact for education (224-7208); Terry L. Lierman, contact for National Institutes of Health (224-7283)

Minority staff: Jim Painter, contact for education (224-7238); Gar Kaganowich, contact for National Institutes of Health (224-7231)

Subcommittee on Housing and Urban Development, and Independent Agencies

Relevant jurisdiction: Appropriations for National Science Foundation and GI Bill benefits.

Democrats

William Proxmire (Wis.), chairman
John C. Stennis (Miss.)
Birch Bayh (Ind.)
Walter D. Huddleston (Ky.)
Patrick J. Leahy (Vt.)
Jim Sasser (Tenn.)
John A. Durkin (N.H.)

Republicans

Charles McC. Mathias, Jr. (Md.), ranking minority member
Henry Bellmon (Okla.)
Lowell P. Weicker, Jr. (Conn.)
Paul Laxalt (Nev.)
Harrison "Jack" Schmitt (N.M.)

Staff: Tom van der Voort (224-7274); Robert E. Mills (224-7247)

Subcommittee on Interior and Related Agencies

Relevant jurisdiction: Appropriations for National Foundation on the Arts and the Humanities.

Democrats

Robert C. Byrd (W.Va.), chairman
Ernest F. Hollings (S.C.)
Birch Bayh (Ind.)
J. Bennett Johnston (La.)
Walter D. Huddleston (Ky.)
Patrick J. Leahy (Vt.)
Dennis DeConcini (Ariz.)
Quentin N. Burdick (N.D.)
John A. Durkin (N.H.)

Republicans

Ted Stevens (Alaska), ranking minority member
Milton R. Young (N.D.)
Mark O. Hatfield (Ore.)
Henry Bellmon (Okla.)
James A. McClure (Idaho)
Paul Laxalt (Nev.)

Majority staff: Dwight Dyer (224-7262)
Minority staff: Craig Potter (224-7202)

Committee on Armed Services

Subcommittee on Manpower and Personnel

Relevant jurisdiction: Reserve Officers Training Corps, U. S. service academies.

Democrats

Sam Nunn (Ga.), chairman
Harry F. Byrd, Jr. (Va.)
John C. Culver (Iowa)
J. James Exon (Neb.)

Republicans

Roger W. Jepsen (Iowa), ranking minority member
John W. Warner (Va.)
William S. Cohen (Me.)

Staff: George F. Travers (224-3871)

Committee on the Budget

Relevant jurisdiction: Budget resolutions setting annual spending ceilings for the federal government.

Democrats

Edmund S. Muskie (Me.), chairman
Warren G. Magnuson (Wash.)
Ernest F. Hollings (S.C.)
Lawton Chiles (Fla.)
Joseph R. Biden, Jr. (Del.)
J. Bennett Johnston (La.)
Jim Sasser (Tenn.)
Gary Hart (Colo.)
Howard M. Metzenbaum (Ohio)
Donald W. Riegle, Jr. (Mich.)
Daniel Patrick Moynihan (N.Y.)
J. James Exon (Neb.)

Republicans

Henry Bellmon (Okla.), ranking minority member
Pete V. Domenici (N.M.)
Bob Packwood (Ore.)
William L. Armstrong (Colo.)
Nancy L. Kassebaum (Kan.)
Rudy Boschwitz (Minn.)
Orrin G. Hatch (Utah)
Larry Pressler (S.D.)

Majority staff: Vic Miller, contact for education (224-0842)

Minority staff: Carole Cox, contact for education (224-0394)

Committee on Commerce, Science, and Transportation

Subcommittee on Science, Technology, and Space
Relevant jurisdiction: Science, engineering, and technology.

Democrats
Adlai E. Stevenson (Ill.), chairman
Wendell H. Ford (Ky.)
Russell B. Long (La.)
Ernest F. Hollings (S.C.)
Donald W. Riegle, Jr. (Mich.)
Howell Heflin (Ala.)

Republicans
Harrison "Jack" Schmitt (N.M.), ranking minority member
Barry Goldwater (Ariz.)
Nancy L. Kassebaum (Kan.)

Majority staff: John G. Stewart (224-9351)
Minority staff: William C. Gibb (224-1251); Gerald J. Kovach (224-1251)

Committee on Energy and Natural Resources

Subcommittee on Conservation and Supply
Relevant jurisdiction: Conservation grants to colleges and universities.

Democrats
John A. Durkin (N.H.), chairman
Wendell H. Ford (Ky.)
Howard M. Metzenbaum (Ohio)
Spark M. Matsunaga (Hawaii)
Paul E. Tsongas (Mass.)
Bill Bradley (N.J.)

Republicans
Malcolm Wallop (Wyo.), ranking minority member
Pete V. Domenici (N.M.)
Lowell P. Weicker, Jr. (Conn.)
Henry Bellmon (Okla.)

Staff: Granville Smith (224-7166)

Subcommittee on Research and Development
Relevant jurisdiction: Energy research and development.

Democrats
Frank Church (Idaho), chairman
J. Bennett Johnston (La.)
Dale Bumpers (Ark.)
John A. Durkin (N.H.)
Spark M. Matsunaga (Hawaii)
John Melcher (Mont.)
Paul E. Tsongas (Mass.)

Republicans
James A. McClure (Idaho), ranking minority member
Mark O. Hatfield (Ore.)
Pete V. Domenici (N.M.)
Ted Stevens (Alaska)
Malcolm Wallop (Wyo.)

Staff: Willis D. Smith (224-4431)

Committee on Finance

Relevant jurisdiction: Tax policy, pension plans, employee fringe benefits, and Social Security.

Democrats
Russell B. Long (La.), chairman
Herman E. Talmadge (Ga.)
Abraham Ribicoff (Conn.)
Harry F. Byrd, Jr. (Va.)
Gaylord Nelson (Wis.)
Mike Gravel (Alaska)
Lloyd Bentsen (Texas)
Spark M. Matsunaga (Hawaii)
Daniel Patrick Moynihan (N.Y.)
Max Baucus (Mont.)
David L. Boren (Okla.)
Bill Bradley (N.J.)

Republicans
Robert Dole (Kan.), ranking minority member
Bob Packwood (Ore.)
William V. Roth, Jr. (Del.)
John C. Danforth (Mo.)
John H. Chafee (R.I.)
H. John Heinz, III (Pa.)
Malcolm Wallop (Wyo.)
David Durenberger (Minn.)

Majority staff: William Morris, contact for tax policy (224-4515); Jack Curtis, contact for private pension plans (224-4515); Joseph R. Humphreys, contact for Social Security (224-4515)
Minority staff: Jack Nutter, contact for tax policy and pensions (224-4416); Roderick de Marent, contact for Social Security (224-4416)

Committee on Governmental Affairs

Relevant jurisdiction: Lobbying legislation, proposed Department of Education.

Democrats
Abraham Ribicoff (Conn.), chairman
Henry M. Jackson (Wash.)
Thomas F. Eagleton (Mo.)
Lawton Chiles (Fla.)
Sam Nunn (Ga.)
John Glenn (Ohio)
Jim Sasser (Tenn.)
David Pryor (Ark.)
Carl M. Levin (Mich.)

Republicans
Charles H. Percy (Ill.), ranking minority member
Jacob K. Javits (N.Y.)
William V. Roth, Jr. (Del.)
Ted Stevens (Alaska)
Charles McC. Mathias, Jr. (Md.)
John C. Danforth (Mo.)
William S. Cohen (Maine)
David Durenberger (Minn.)

Majority staff: Robert V. Heffernan, contact for Department of Education (224-4751); Paul C. Rosenthal, contact for lobbying legislation (224-4751)
Minority staff: Constance B. Evans (224-0431)

Committee on Labor and Human Resources

Relevant jurisdiction: Equal employment opportunity legislation.

Democrats
Harrison A. Williams, Jr. (N.J.), chairman
Jennings Randolph (W.Va.)
Claiborne Pell (R.I.)
Edward M. Kennedy (Mass.)
Gaylord Nelson (Wis.)
Thomas F. Eagleton (Mo.)
Alan Cranston (Cal.)
Donald W. Riegle, Jr. (Mich.)
Howard M. Metzenbaum (Ohio)

Committee on Labor and Human Resources—Continued

Republicans

Richard S. Schweiker (Pa.), ranking minority member
Jacob K. Javits (N.Y.)
Robert T. Stafford (Vt.)
Orrin G. Hatch (Utah)
William L. Armstrong (Colo.)
Gordon J. Humphrey (N.H.)

Majority staff: Darryl J. Anderson (224-3674)
Minority staff: Jackson Andrews (224-4062)

Subcommittee on Education, Arts, and Humanities

Relevant jurisdiction: Higher education, vocational education, and the arts and humanities.

Democrats

Claiborne Pell (R.I.), chairman
Harrison A. Williams, Jr. (N.J.)
Jennings Randolph (W.Va.)
Edward M. Kennedy (Mass.)
Thomas F. Eagleton (Mo.)

Republicans

Robert T. Stafford (Vt.), ranking minority member
Richard S. Schweiker (Pa.)
Jacob K. Javits (N.Y.)

Majority staff: Jean Frohlicher, contact for higher education (224-7666); Alexander Crary, contact for arts and humanities (224-7666)
Minority staff: Sven Groennings (224-3491)

Subcommittee on Handicapped

Relevant jurisdiction: Education of handicapped persons.

Democrats

Jennings Randolph (W.Va.), chairman

Democrats—Continued

Thomas F. Eagleton (Mo.)
Donald W. Riegle, Jr. (Mich.)

Republicans

Robert T. Stafford (Vt.), ranking minority member
Richard S. Schweiker (Pa.)

Majority staff: Patricia G. Forsythe (224-9075)
Minority staff: Sue Ellen Walbridge (224-3492)

Subcommittee on Health and Scientific Research

Relevant jurisdiction: Health and health manpower, including National Institutes of Health and National Science Foundation.

Democrats

Edward M. Kennedy (Mass.), chairman
Claiborne Pell (R.I.)
Howard M. Metzenbaum (Ohio)
Gaylord Nelson (Wis.)
Alan Cranston (Cal.)
Carl M. Levin (Mich.)

Republicans

Richard S. Schweiker (Pa.), ranking minority member

Committee on the Judiciary

Subcommittee on the Constitution

Relevant jurisdiction: Patent policy.

Democrats

Birch Bayh (Ind.), chairman
Howard M. Metzenbaum (Ohio)
Dennis DeConcini (Ariz.)
Howell Heflin (Ala.)

Republicans

Orrin G. Hatch (Utah), ranking minority member
Strom Thurmond (S.C.)
Alan K. Simpson (Wyo.)

Majority staff: Joe Allen (224-9263)
Minority staff: Neil McDonnell (224-1455)
Jacob K. Javits (N.Y.)
Gordon J. Humphrey (N.H.)
Orrin G. Hatch (Utah)

Majority staff: Robert Wenger, contact for health manpower (224-7675); David Blumenthal, contact for National Institutes of Health (224-7675); Anne Strauss, contact for National Science Foundation (224-7675)
Minority staff: David A. Winston (224-4062)

Committee on Veterans' Affairs

Relevant jurisdiction: Veterans' education benefits.

Democrats

Alan Cranston (Cal.), chairman
Herman E. Talmadge (Ga.)
Jennings Randolph (W.Va.)
Richard (Dick) Stone (Fla.)
John A. Durkin (N.H.)
Spark M. Matsunaga (Hawaii)

Republicans

Alan K. Simpson (Wyo.), ranking minority member
Strom Thurmond (S.C.)
Robert T. Stafford (Vt.)
Gordon J. Humphrey (N.H.)

Majority staff: Babette Polzer (224-9126); Kerry Shortle (224-9126)
Minority staff: Gary Crawford (224-9132)

Education-Related Committees of the House of Representatives

The list below shows committee and staff members as of May 15, 1979.

Committee on Appropriations

Subcommittee on Housing and Urban Development and Independent Agencies
Relevant jurisdiction: Appropriations for National Science Foundation and GI Bill.

Democrats
Edward P. Boland (Mass.), chairman
Bob Traxler (Mich.)
Louis Stokes (Ohio)
Tom Bevill (Ala.)
Lindy Boggs (La.)
Martin Olav Sabo (Minn.)
Bennett M. Stewart (Ill.)

Republicans
Lawrence Coughlin (Pa.), ranking minority member
Joseph M. McDade (Pa.)
C. W. Bill Young (Fla.)

Staff: Richard Malow (225-3241)

Subcommittee on Labor, Health, Education, and Welfare
Relevant jurisdiction: Appropriations for Department of Health, Education, and Welfare, including Office of Education, National Institute of Education, National Institutes of Health.

Democrats
William H. Natcher (Ky.), chairman
Daniel J. Flood (Pa.)
Neal Smith (Iowa)
Edward J. Patten (N.J.)
David R. Obey (Wis.)
Edward R. Roybal (Cal.)
Louis Stokes (Ohio)
Joseph D. Early (Mass.)

Republicans
Robert H. Michel (Ill.), ranking minority member
Silvio O. Conte (Mass.)
George M. O'Brien (Ill.)
Carl D. Pursell (Mich.)

Staff: Frederick Pfluger (225-3508)

Subcommittee on Interior
Relevant jurisdiction: Appropriations for National Foundation on the Arts and the Humanities.

Democrats
Sidney R. Yates (Ill.), chairman
Gunn McKay (Utah)
Clarence D. Long (Md.)
John P. Murtha (Pa.)
Robert Duncan (Ore.)
Norman D. Dicks (Wash.)
Bo Ginn (Ga.)

Republicans
Joseph M. McDade (Pa.), ranking minority member
Ralph S. Regula (Ohio)
Clair W. Burgener (Cal.)

Staff: Frederick G. Mohrman (225-3081)

Committee on Armed Services

Subcommittee on Military Personnel
Relevant jurisdiction: R.O.T.C., U. S. service academies.

Democrats
Richard C. White (Tex.), chairman
G. V. (Sonny) Montgomery (Miss.)
Abraham Kazen, Jr. (Tex.)
Antonio Borja Won Pat (Guam)
Lucien N. Nedzi (Mich.)
Bill Nichols (Ala.)

Republicans
Marjorie S. Holt (Md.), ranking minority member
David C. Treen (La.)
Elwood Hillis (Ind.)

Staff: William H. Hogan (225-1181)

Committee on the Budget

Relevant jurisdiction: Budget resolutions setting annual spending ceilings for federal activities.

Democrats
Robert N. Giaimo (Conn.), chairman
Jim Wright (Tex.)
Thomas L. Ashley (Ohio)
Louis Stokes (Ohio)

Democrats—Continued
Elizabeth Holtzman (N.Y.)
David R. Obey (Wis.)
Paul Simon (Ill.)
Norman Y. Mineta (Cal.)
Jim Mattox (Tex.)
James R. Jones (Okla.)
Stephen J. Solarz (N.Y.)
William M. Brodhead (Mich.)
Timothy E. Wirth (Colo.)
Leon E. Panetta (Cal.)
Richard A. Gephardt (Mo.)
Bill Nelson (Fla.)
William H. Gray, III (Pa.)

Republicans
Delbert L. Latta (Ohio), ranking minority member
James T. Broyhill (N.C.)
Barber B. Conable, Jr. (N.Y.)
Marjorie S. Holt (Md.)
Eldon Rudd (Ariz.)
Ralph S. Regula (Ohio)
Bud Shuster (Pa.)
Bill Frenzel (Minn.)

Staff: Alair Townsend, contact for human-resources programs and veterans (225-8801); Carlene Crumpton-Bawden, contact for education (225-8801)

Committee on Education and Labor

Subcommittee on Postsecondary Education
Relevant jurisdiction: Most higher-education legislation, arts and humanities.

Democrats
William D. Ford (Mich.), chairman
John Brademas (Ind.)
Frank Thompson, Jr. (N.J.)
Mario Biaggi (N.Y.)
Paul Simon (Ill.)
Peter A. Peyser (N.Y.)
Joseph M. Gaydos (Pa.)
Austin J. Murphy (Pa.)
Ted Weiss (N.Y.)
William R. Ratchford (Conn.)

Republicans
John Buchanan (Ala.), ranking minority member
James M. Jeffords (Vt.)
Mickey Edwards (Okla.)
Thomas J. Tauke (Iowa)

Majority staff: Thomas Wolanin (225-8881)
Minority staff: William Clohan, Jr., contact for education (225-6910); Martin L. LaVor, contact for arts and humanities (225-1743)

Subcommittee on Select Education

Relevant jurisdiction: National Institute of Education, Action, education of handicapped persons.

Democrats
Paul Simon (Ill.), chairman
John Brademas (Ind.)
Edward P. Beard (R.I.)
George Miller (Cal.)
Augustus F. Hawkins (Cal.)
Mario Biaggi (N.Y.)
Edward J. Stack (Fla.)

Republicans
Ken Kramer (Colo.), ranking minority member
E. Thomas Coleman (Mo.)
Arlen Erdahl (Minn.)

Majority staff: Judith Wagner (225-5954); Tom Birch, contact for Action (225-5954)
Minority staff: Martin L. LaVor (225-1743)

Subcommittee on Elementary, Secondary, and Vocational Education

Relevant jurisdiction: Vocational education.

Democrats
Carl D. Perkins (Ky.), chairman
William D. Ford (Mich.)
Ike Andrews (N.C.)
Austin J. Murphy (Pa.)
Baltasar Corrada (P.R.)
Dale E. Kildee (Mich.)
George Miller (Cal.)
Pat Williams (Mont.)
Augustus F. Hawkins (Cal.)
Michael O. Myers (Pa.)
Ray Kogovsek (Colo.)

Republicans
William F. Goodling (Pa.), ranking minority member
John Buchanan (Ala.)
Arlen Erdahl (Minn.)
Daniel B. Crane (Ill.)
Jon Hinson (Miss.)

Majority staff: John F. Jennings (225-4368)
Minority staff: Charles Radcliffe (225-6910)

Subcommittee on Employment Opportunities

Relevant jurisdiction: Equal opportunity legislation.

Democrats
Augustus F. Hawkins (Cal.), chairman
Ted Weiss (N.Y.)
William (Bill) Clay (Mo.)
Baltasar Corrada (P.R.)
Don Bailey (Pa.)
William R. Ratchford (Conn.)
Paul Simon (Ill.)

Republicans
James M. Jeffords (Vt.), ranking minority member
Thomas J. Tauke (Iowa)
Jon Hinson (Miss.)

Majority staff: Susan D. Grayson (225-1927)
Minority staff: Charles Radcliffe (225-6910)

Committee on Government Operations

Subcommittee on Legislation and National Security

Relevant jurisdiction: Proposed Department of Education.

Democrats
Jack Brooks (Tex.), chairman
Don Fuqua (Fla.)
William S. Moorhead (Pa.)
Dante B. Fascell (Fla.)
Fernand J. St Germain (R.I.)
Elliott H. Levitas (Ga.)

Republicans
Frank Horton (N.Y.), ranking minority member
John N. Erlenborn (Ill.)
Arlan Stangeland (Minn.)

Majority staff: Elmer W. Henderson (225-5147); Robert Brink (225-5051)
Minority staff: Phil Carlson (225-5074)

Committee on Interstate and Foreign Commerce

Subcommittee on Health and Environment

Relevant jurisdiction: Health research and health manpower.

Democrats
Henry A. Waxman (Cal.), chairman
John M. Murphy (N.Y.)
David E. Satterfield, III (Va.)
Richardson Preyer (N.C.)
Andrew Maguire (N.J.)
Doug Walgren (Pa.)
Barbara A. Mikulski (Md.)
Phil Gramm (Tex.)
Mickey Leland (Tex.)
Richard C. Shelby (Ala.)

Republicans
Tim Lee Carter (Ky.), ranking minority member
Edward R. Madigan (Ill.)
Dave Stockman (Mich.)
Tom Corcoran (Ill.)
William E. Dannemeyer (Cal.)

Staff: Elliot A. Segal (225-4952)

Committee on the Judiciary

Subcommittee on Administrative Law and Governmental Relations

Relevant jurisdiction: Lobbying legislation.

Democrats
George E. Danielson (Cal.), chairman
Romano L. Mazzoli (Ky.)
William J. Hughes (N.J.)
Abner J. Mikva (Ill.)
Michael D. Barnes (Md.)

Republicans
Carlos J. Moorhead (Cal.), ranking minority member
Robert McClory (Ill.)
Thomas N. Kindness (Ohio)

Majority staff: William P. Shattuck (225-5741); James Lawer (225-5741)
Minority staff: Alan Coffey, Jr. (225-7087)

Subcommittee on Courts, Civil Liberties, and Administration of Justice

Relevant jurisdiction: Patent policy.

Democrats
Robert W. Kastenmeier (Wis.), chairman
George E. Danielson (Cal.)
Romano L. Mazzoli (Ky.)
Lamar Gudger (N.C.)
Robert T. Matsui (Cal.)
Abner J. Mikva (Ill.)

Republicans

Tom Railsback (Ill.), ranking minority member
Carlos J. Moorhead (Cal.)
Harold S. Sawyer (Mich.)

Majority staff: Bruce Lehman (225-3926)
Minority staff: Tom Mooney (225-6504)

Committee on Science and Technology

Subcommittee on Energy Development and Applications

Relevant jurisdiction: Energy research and conservation.

Democrats

Richard L. Ottinger (N.Y.), chairman
James J. Blanchard (Mich.)
Doug Walgren (Pa.)
Dan Glickman (Kan.)
Albert Gore, Jr. (Tenn.)
Robert A. Young (Mo.)
Richard C. White (Tex.)
Harold L. Volkmer (Mo.)
Howard Wolpe (Mich.)
Nicholas Mavroules (Mass.)
Bill Nelson (Fla.)
Beryl Anthony, Jr. (Ark.)
Allen E. Ertel (Pa.)
Kent Hance (Tex.)
Robert A. Roe (N.J.)
Mike McCormack (Wash.)

Republicans

Hamilton Fish, Jr. (N.Y.), ranking minority member
Ken Kramer (Colo.)
William Carney (N.Y.)
Don Ritter (Pa.)
Robert W. Davis (Mich.)
John W. Wydler (N.Y.)
Robert K. Dornan (Cal.)
Robert S. Walker (Pa.)

Majority staff: James W. Spensley (225-2891)
Minority staff: James Turner (225-3975)

Subcommittee on Energy Research and Production

Relevant jurisdiction: Basic energy research.

Democrats

Mike McCormack (Wash.), chairman

Democrats—Continued

Marilyn Lloyd Bouquard (Tenn.)
Robert A. Roe (N.J.)
Stanley N. Lundine (N.Y.)
Robert A. Young (Mo.)
Richard C. White (Tex.)
Howard Wolpe (Mich.)
Ronnie G. Flippo (Ala.)
Nicholas Mavroules (Mass.)
Richard L. Ottinger (N.Y.)
Beryl Anthony, Jr. (Ark.)

Republicans

John W. Wydler (N.Y.), ranking minority member
Edwin B. Forsythe (N.J.)
Toby Roth (Wis.)
Barry M. Goldwater, Jr. (Cal.)
Manuel Lujan, Jr. (N.M.)
Harold C. Hollenbeck (N.J.)

Majority staff: Stephen Lanes (225-9117)
Minority staff: John Dugan (225-1624)

Subcommittee on Science, Research, and Technology

Relevant jurisdiction: National Science Foundation.

Democrats

George E. Brown, Jr. (Cal.), chairman
James H. Scheuer (N.Y.)
Donald J. Pease (Ohio)
Tom Harkin (Iowa)
Allen E. Ertel (Pa.)
Kent Hance (Tex.)
Wes Watkins (Okla.)

Republicans

Harold C. Hollenbeck (N.J.), ranking minority member
Robert W. Davis (Mich.)
Don Ritter (Pa.)

Majority staff: Thomas Kramer (225-8108)
Minority staff: Anthony Scoville (225-8114)

Committee on Veterans' Affairs

Subcommittee on Education, Training, and Employment

Relevant jurisdiction: Veterans' education benefits.

Democrats

W. G. (Bill) Hefner (N.C.), chairman
Ray Roberts (Tex.)
Marvin Leath (Tex.)
William Hill Boner (Tenn.)
Phil Gramm (Tex.)
Thomas A. Daschle (S.D.)

Republicans

Margaret M. Heckler (Mass.), ranking minority member
Chalmers P. Wylie (Ohio)
Harold S. Sawyer (Mich.)
Wayne Grisham (Cal.)

Majority staff: Frank Stover (225-3527); Elizabeth Kilker (225-3527)
Minority staff: Paul Mills (225-9756)

Committee on Ways and Means

Subcommittee on Select Revenue Measures

Relevant jurisdiction: Employee fringe benefits, tax matters affecting charitable giving, tuition tax credits.

Democrats

Dan Rostenkowski (Ill.), chairman
Raymond F. Lederer (Pa.)
Ken Holland (S.C.)
Fortney H. (Pete) Stark (Cal.)
Wyche Fowler, Jr. (Ga.)
Frank J. Guarini (N.J.)

Republicans

John J. Duncan (Tenn.), ranking minority member
Richard T. Schulze (Pa.)
Guy Vander Jagt (Mich.)

Staff: John Salmon (225-9710)

Subcommittee on Social Security

Relevant jurisdiction: Social Security system.

Democrats

J. J. Pickle (Tex.), chairman
Andrew Jacobs, Jr. (Ind.)
William R. Cotter (Conn.)
Abner J. Mikva (Ill.)
Richard A. Gephardt (Mo.)
Joseph L. Fisher (Va.)

Republicans

Bill Archer (Tex.), ranking minority member
Willis D. Gradison, Jr. (Ohio)
John H. Rousselot (Cal.)

Majority staff: James W. Kelley (225-9263)
Minority staff: Arthur L. Singleton (225-4021)

Accrediting Agencies in Higher Education

Regional Associations

The following associations are responsible for institutional accreditation of colleges and universities in the states and territories listed.

MIDDLE STATES ASSOCIATION OF COLLEGES AND SCHOOLS

Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania, Canal Zone, Puerto Rico, Virgin Islands

Robert Kirkwood, executive director
Commission on Higher Education
3624 Market Street
Philadelphia 19104
(215) 662-5600

NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

William J. MacLeod, director of evaluation
Commission on Institutions of Higher Education

Daniel S. Maloney, director of evaluation
Commission on Vocational, Technical, Career Institutions
131 Middlesex Turnpike
Burlington, Mass. 01803
(617) 272-6450

NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS

Arizona, Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New Mexico, North Dakota, Ohio, Oklahoma, South Dakota, West Virginia, Wisconsin, Wyoming

Thurston E. Manning, director
Commission on Institutions of Higher Education
1221 University Avenue
Boulder, Colo. 80302
(800) 525-0840
Also:
820 Davis Street
Evanston, Ill. 60201
(800) 323-6528

NORTHWEST ASSOCIATION OF SCHOOLS AND COLLEGES

Alaska, Idaho, Montana, Nevada, Oregon, Utah, Washington

James F. Bemis, executive director

NORTHWEST ASSOCIATION—Continued

Commission on Colleges
3700B University Way, N.E.
Seattle 98105
(206) 543-0195

SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS

Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia

Gordon W. Sweet, executive secretary
Commission on Colleges

Bob E. Childers, executive secretary
Commission on Occupational Education
795 Peachtree Street, N.E.
Atlanta 30308
(404) 875-8011

WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES

California, Hawaii, Guam, Trust Territory of the Pacific

Kay J. Andersen, executive director
Accrediting Commission for Senior Colleges and Universities
Box 9990
Mills College
Oakland, Cal. 94613
(415) 632-5000

Robert E. Swenson, executive director
Accrediting Commission for Community and Junior Colleges
P. O. Box 70
Aptos, Cal. 95003
(408) 688-7575

Professional Agencies

The following agencies, which are recognized by the U.S. Office of Education, grant accreditation for professional and specialized programs.

ARCHITECTURE

National Architectural Accrediting Board
First professional programs

Hugo G. Blasdel, executive director
1735 New York Avenue, N.W.
Washington 20006
(202) 833-1180

ART

National Association of Schools of Art
Professional schools and programs

ART—Continued

Samuel Hope, executive secretary
11250 Roger Bacon Drive no. 5
Reston, Va. 22090
(703) 437-0700

BIBLE COLLEGE EDUCATION

American Association of Bible Colleges
Three-year institutes and four- and five-year colleges

John Mostert, executive director
Box 1523
Fayetteville, Ark. 72701
(501) 521-8164

BLIND AND VISUALLY HANDICAPPED EDUCATION (K-12)

National Accreditation Council for Agencies Serving the Blind and Visually Handicapped
Specialized schools for the blind

Richard W. Bleecker, executive director
79 Madison Avenue Suite 1406
New York 10016
(212) 683-8581

BLOOD BANK TECHNOLOGY

American Medical Association*
Programs for the blood bank technologist

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

The Committee on Allied Health Education and Accreditation, in cooperation with the subcommittee on accreditation of the American Association of Blood Banks
Programs for the specialist in blood bank technology

John E. Beckley, director
Department of Allied Health Evaluation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

BUSINESS

American Assembly of Collegiate Schools of Business
Baccalaureate and graduate degree programs

William K. Laidlaw, Jr., executive vice-president
Suite 142, 11500 Olive Street

BUSINESS—Continued

St. Louis 63141
(314) 872-8481

Association of Independent Colleges and Schools
Private junior and senior colleges of business and private business schools

Robert M. Toren, executive director
Accrediting Commission
1730 M Street, N.W.
Washington 20036
(202) 659-2460

CHIROPRACTIC

The Council on Chiropractic Education
Programs leading to the D.C. degree

Ralph G. Miller, executive secretary
Commission on Accreditation
3209 Ingersoll Avenue
Des Moines, Iowa 50312
(515) 255-2184

CLINICAL PASTORAL EDUCATION

Association for Clinical Pastoral Education
Clinical pastoral education training centers
Charles E. Hall, Jr., executive director
475 Riverside Drive
Room 450
New York 10027
(212) 870-2558

COSMETOLOGY

Cosmetology Accrediting Commission
Cosmetology schools and programs

Phillip A. Taylor, executive director
Suite 1108, 1735 K Street, N.W.
Washington 20036
(202) 331-9550

CYTOTECHNOLOGY

American Medical Association*
Programs for the cytotechnologist

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

DENTISTRY

American Dental Association
Programs leading to D.D.S. or D.M.D. degrees; advanced specialty and general practice residency programs; programs in dental hygiene, dental assisting, and dental technology

DENTISTRY—Continued

Thomas J. Ginley, secretary
Commission on Accreditation of Dental and Dental Auxiliary Educational Programs
211 East Chicago Avenue
Chicago 60611
(312) 440-2701

DIETETICS

American Dietetic Association
Coordinated undergraduate programs in dietetics and dietetic internships
Gloria Archer, coordinator
Commission on Evaluation of Dietetic Education
430 North Michigan Avenue
Chicago 60611
(312) 280-5000

ENGINEERING

Engineers' Council for Professional Development
First professional degree programs in engineering; associate and baccalaureate degree programs in engineering technology
David R. Reyes-Guerra, executive director
345 East 47th Street
New York 10017
(212) 644-7684

FORESTRY

Society of American Foresters
Baccalaureate, professional, and related programs
Directorship of professional programs vacant as of 5/15/79
5400 Grosvenor Lane
Washington 20014
(301) 897-8720

FUNERAL SERVICE EDUCATION

American Board of Funeral Service Education, Inc.
Schools and college departments
William H. Ford, administrator
P. O. Box 2098
Fairmont, W. Va. 26554
(304) 366-2403

HEALTH SERVICES ADMINISTRATION

Accrediting Commission on Education for Health Services Administration
Graduate programs
Gary L. Filerman, executive secretary
Suite 420, One Dupont Circle, N.W.
Washington 20036
(202) 659-3939

HISTOLOGIC TECHNOLOGY

American Medical Association*
Programs for the histologic technician

HISTOLOGIC TECHNOLOGY—Continued

John E. Beckley, director
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

HOME STUDY EDUCATION

National Home Study Council
Home study schools
William A. Fowler, executive secretary
Accrediting Commission
1601 Eighteenth Street, N.W.
Washington 20009
(202) 234-5100

INTERIOR DESIGN EDUCATION

Foundation for Interior Design Education Research
Accreditation of graduate, baccalaureate, professional, para- and pre-professional programs
Edna V. Kane, executive director
730 Fifth Avenue
New York 10019
(212) 586-7266

JOURNALISM

American Council on Education for Journalism
Professional programs
Baskett Mosse, executive secretary
Accrediting Committee
563 Essex Court
Deerfield, Ill. 60015
(312) 948-5840

LANDSCAPE ARCHITECTURE

American Society of Landscape Architects
First professional degree programs
Edward H. Able, executive director
Samuel C. Miller, director
Education and Research
Suite 750, 1900 M Street, N.W.
Washington 20036
(202) 466-7730

LAW

American Bar Association
Professional schools
James P. White, consultant on legal education
Indiana University
355 North Lansing Street
Indianapolis 46202
(317) 264-4908

LIBRARIANSHIP

American Library Association
Graduate programs

LIBRARIANSHIP—Continued

Committee on Accreditation
50 East Huron Street
Chicago 60611
(312) 944-6780

MEDICAL ASSISTANT

Accrediting Bureau of Health Education Schools
Private medical assistant programs and institutions
Hugh A. Woosley, administrator
Oak Manor Offices
29089 U. S. 20 West
Elkhart, Ind. 46514
(219) 293-0124

American Medical Association*
One- and two-year medical assistant programs
John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

MEDICAL LABORATORY TECHNICIAN EDUCATION

Accrediting Bureau of Health Education Schools
Technical schools and programs
Hugh A. Woosley, administrator
Oak Manor Offices
29089 U. S. 20 West
Elkhart, Ind. 46514
(219) 293-0124

American Medical Association*
Technical programs at the certificate and associate-degree levels
John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

MEDICAL RECORD EDUCATION

American Medical Association*
Programs for the medical record administrator and medical record technician
John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

MEDICAL TECHNOLOGY

American Medical Association*
Programs for the medical technologist

MEDICAL TECHNOLOGY—Continued

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

MEDICINE

Liaison Committee on Medical Education, sponsored by the American Medical Association and the Association of American Medical Colleges
Programs leading to the M.D. degree
(odd-numbered years, beginning July 1)
Edward S. Petersen, secretary
Council on Medical Education
American Medical Association
535 North Dearborn Street
Chicago 60610
(312) 751-6000
(even-numbered years, beginning July 1)
James R. Schofield, secretary
Association of American Medical Colleges
One Dupont Circle, N.W.
Washington 20036
(202) 466-5100

MUSIC

National Association of Schools of Music
Baccalaureate and graduate programs
Samuel Hope, executive director
11250 Roger Bacon Drive no. 5
Reston, Va. 22090
(703) 437-0700

NUCLEAR MEDICINE TECHNOLOGY

American Medical Association*
Programs for the nuclear medicine technologist
John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

NURSING

American Association of Nurse Anesthetists
Professional schools of nurse anesthesia
Council on Accreditation
Nancy A. Fevold, executive director
216 Higgins Road
Park Ridge, Ill. 60068
(312) 644-3093

National Association for Practical Nurse Education and Service, Inc.
Practical nurse programs
Lucille L. Etheridge, executive director

NURSING—Continued

122 East 42nd Street
New York 10017
(212) 682-3400

National League for Nursing
Professional, technical, and practical nurse programs
Mary F. Liston, acting director
10 Columbus Circle
New York 10019
(212) 582-1022

OCCUPATIONAL THERAPY

American Medical Association*
Programs for the occupational therapist
John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

OCCUPATIONAL, TRADE, AND TECHNICAL EDUCATION

National Association of Trade and Technical Schools
Private trade and technical schools
William A. Goddard, executive director
Accrediting Commission
2021 K Street, N.W.
Washington 20006
(202) 296-8892

OPTOMETRY

American Optometric Association
Professional and para-optometric programs
Brian Andrew, executive secretary
Council on Optometric Education
243 North Lindbergh Boulevard
St. Louis 63141
(314) 991-4100

OSTEOPATHIC MEDICINE

American Osteopathic Association
Programs leading to the D.O. degree
William Douglas Ward, director
Office of Osteopathic Education
212 East Ohio Street
Chicago 60611
(312) 944-2713

PHARMACY

American Council on Pharmaceutical Education
Professional programs
Daniel A. Nona, executive director
1 East Wacker Drive
Chicago 60601
(312) 467-6222

PHYSICAL THERAPY

American Medical Association
Programs for the physical therapist

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

American Physical Therapy Association
Programs for the physical therapist and the physical therapist's assistant

James Clinkingbeard, director of educational affairs
1156 15th Street, N.W.
Washington 20005
(202) 466-2070

PHYSICIAN'S ASSISTANT EDUCATION

American Medical Association*
Programs for the assistant to the primary care physician

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

PODIATRY

American Podiatry Association
Professional and graduate programs; programs for podiatric assistants

John L. Bennett, director
Council on Podiatry Education
20 Chevy Chase Circle, N.W.
Washington 20015
(202) 537-4970

PSYCHOLOGY

American Psychological Association
Doctoral and internship programs in clinical and counseling psychology; doctoral programs in school psychology

Meredith Crawford, administrative officer for accreditation
1200 Seventeenth Street, N.W.
Washington 20036
(202) 833-7600

PUBLIC HEALTH

Council on Education for Public Health
Graduate schools of public health

Janet A. Strauss, executive director
1015 Eighteenth Street (9th fl.), N.W.
Washington 20036
(202) 467-5061

RABBINICAL AND TALMUDIC EDUCATION

Association of Advanced Rabbinical and Talmudic Schools

RABBINICAL EDUCATION—Continued

Rabbinical and Talmudic schools

Bernard Fryshman, executive director
Accreditation Commission
175 Fifth Avenue
New York 10010
(212) 477-0950

RADIATION THERAPY TECHNOLOGY

American Medical Association*
Programs for the radiation therapy technologist

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

RADIOGRAPHY

American Medical Association*
Programs for the radiographer

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

RESPIRATORY THERAPY

American Medical Association*
Programs for the respiratory therapist and the respiratory therapy technician

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

SURGEON'S ASSISTANT EDUCATION

American Medical Association*
Programs for the surgeon's assistant

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

SURGICAL TECHNOLOGY

American Medical Association*
Programs for the surgical technologist

John E. Beckley, secretary
Committee on Allied Health Education and Accreditation
535 North Dearborn Street
Chicago 60610
(312) 751-6272

SOCIAL WORK

Council on Social Work Education
Master's and baccalaureate programs

Gary A. Lloyd, executive director
Division of Standards and Accreditation
345 East 46th Street, New York 10017
(212) 697-0467

SPEECH-LANGUAGE PATHOLOGY AND AUDIOLOGY

American Speech-Language-Hearing Association
Master's degree programs

Education and Training Board
10801 Rockville Pike
Rockville, Md. 20852
(301) 897-5700

TEACHER EDUCATION

National Council for Accreditation of Teacher Education
Baccalaureate and graduate degree programs

Lyn Gubser, director
1750 Pennsylvania Avenue, N.W.
Washington 20006
(202) 393-2220

THEOLOGY

The Association of Theological Schools in the United States and Canada
Graduate professional programs

Jesse H. Ziegler, executive director
P.O. Box 130, Vandalia, Ohio 45377
(513) 898-4654

VETERINARY MEDICINE

American Veterinary Medical Association
Programs leading to D.V.M. or V.M.D. degrees; associate-degree programs for animal technicians

R. Leland West, director of scientific activities
930 North Meacham Road
Schaumburg, Ill. 60196
(312) 885-8070

The following organizations are members of the Council on Postsecondary Accreditation, but are not on the U.S. Office of Education's list of recognized agencies.

CHEMISTRY

American Chemical Society
Undergraduate professional programs
Bonnie R. Blaser, secretary
Committee on Professional Training
1155 Sixteenth St., N.W., Washington 20036
(202) 872-4589

CONSTRUCTION EDUCATION

American Council for Construction Education
Bachelor's degree programs

I. Eugene Thorson, managing director
P. O. Box 1266
Manhattan, Kan. 66502
(913) 776-1544

HOME ECONOMICS

American Home Economics Association
Baccalaureate programs

Sara A. Bagby, director
Office of Professional Education
2010 Massachusetts Avenue, N.W.
Washington 20036
(202) 862-8355

INDUSTRIAL TECHNOLOGY

National Association of Industrial Technology
Baccalaureate programs

Harvey A. Pearson, executive secretary
University of North Florida
P.O. Box 17074
Jacksonville, Fla. 32216
(904) 646-2684

LAW

Association of American Law Schools
Professional schools

Millard H. Ruud, executive director
Suite 370, One Dupont Circle, N.W.
Washington 20036
(202) 296-8851

REHABILITATION COUNSELING

Council on Rehabilitation Education
Master's and doctor's degree programs

Jerome D. Lorenz, director
Rehabilitation Institute
Rm. 335, General Classrooms Bldg.
Southern Illinois University
Carbondale, Ill. 62901
(618) 535-7704

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* The A.M.A. accredits programs in several allied-health fields in collaboration with the appropriate specialized organizations.

SOURCE: U.S. OFFICE OF EDUCATION AND COUNCIL ON POSTSECONDARY ACCREDITATION, WITH UPDATING BY THE CHRONICLE AND EDITORIAL PROJECTS FOR EDUCATION

Women's Units

Academy of Management
Committee on the Status of Women in the Management Profession
Chair: Mildred Pryor, Department of Marketing/Management, East Texas State University,
Commerce, Tex. 75428
(214) 886-5702

Adult Education Association
Continuing Education for Women Section
Contact: Joy Rice, Associate Professor and Associate Director of Continuing Education,
259 Education, University of Wisconsin,
Madison, Wisc. 53706
(608) 262-1713

American Academy of Religion
Women's Caucus: Religious Studies
Co-chairs: Barbara Andolsen, 400 Central Park West, Apt. 17C,
New York 10025
(212) 666-1202
Carole Bohn
4 Carver St., Cambridge, Mass. 02138
(617) 354-2910

American Alliance for Health, Physical Education and Recreation
Task Force on Equal Opportunity and Human Rights
Staff liaison: Marjorie Blaufarb, A.A.H.P.E.R.,
1201 16th St., N.W.
Washington 20036
(202) 833-5553

American Anthropological Association
Committee on the Status of Women in Anthropology
Chair: Carole E. Hill, c/o A.A.A.
1703 New Hampshire Ave., N.W.
Washington, D.C. 20009

American Association for Higher Education
Women's Caucus
Chair: Alleen Deutsch, Assistant Dean, College of Arts and Science, Miami University, Oxford, Ohio 45056
(513 529-6321

American Association for the Advancement of Science
Office of Opportunities in Science
Acting Director: Rayna Green, A.A.A.S.,
1776 Massachusetts Ave., N.W.,
Washington 20036
(202) 467-4496
Women's Caucus
Chair: Phyllis Kahn, Minnesota State Legislature, State Capitol, St. Paul,
Minn. 55155
(612) 296-4257
Administrative Associate: Karen L. Ehrlich
A.A.A.S., 1776 Massachusetts Ave., N.W.,
Washington 20036
(202) 467-5435

American Association of Community and Junior Colleges
American Association of Women in Community and Junior Colleges
Chair: Mildred Bulpitt, Assistant to the Chancellor, Maricopa County Community College District, 3910 East Washington Street, Phoenix, Ariz. 85034
(602) 244-8355

American Association of University Professors
Committee on the Status of Women in the Academic Profession
Staff liaison: Leslie Zimic, A.A.U.P.,
One Dupont Circle, Washington 20036
(202) 466-8050

American Association of University Women
General director: Helen B. Wolfe, 2401 Virginia Ave., N.W., Washington 20037
(202) 785-7700

American Chemical Society
Women Chemists Committee
Chair: Wanda Brown,
212 Brightwood Place,
San Antonio, Tex. 78209
(512) 221-4652
Staff liaison: Carol Frischmann, A.C.S., 1155 16th St., N.W., Washington 20036
(202) 872-4612

American College Personnel Association
Steering Committee on Women
Chair: Brenda Andrieu, Southeastern Missouri State University, Cape Girardeau, Mo. 63701
(314) 651-2262

American Council on Education
Office of Women in Higher Education
Director: Emily Taylor, A.C.E., One Dupont Circle, Washington 20036
(202) 833-4692

American Economic Association
Committee on the Status of Women in the Economics Profession
Chair: Ann F. Friedlaender, Department of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139
(617) 253-3456

American Education Research Association
Committee on the Role and Status of Women
Chair: Noele Krenkel, San Francisco Unified School District, 135 Van Ness Avenue,
San Francisco 94102
(415) 565-9296
Staff liaison: William Russell, A.E.R.A.,
1230 17th St., N.W., Washington 20036
(202) 223-9485

American Federation of Teachers
Women's Rights Committee
Chair: Patricia Halpin, Philadelphia Federation of Teachers, 1816 Chestnut St., Philadelphia 19103
(215) 567-1300

American Historical Association
Committee on Women Historians
Chair: Joan W. Scott, Department of History, University of North Carolina, Chapel Hill, N.C. 27514
(919) 933-2155
Staff liaison: Assistant for Women's and Minority Affairs, A.H.A.,
400 A St., S.E., Washington 20003
(202) 544-2422

American Library Association
Social Responsibilities Round Table Task Force on Women

American Library Association—Continued

Coordinator: Marjorie K. Joramo,
Hennepin County Library, Brooklyn Center,
Edina, Minn. 55429
(612) 537-6716
Committee on the Status of Women
in Librarianship
Chair: Ellen Detlefsen, Graduate School
of Library and Information Sciences,
University of Pittsburgh, Pittsburgh 15260
(412) 624-5234
Staff liaison: Margaret Myers, A.L.A., 50 East
Huron St., Chicago 60611
(312) 944-6780

American Medical Women's Association

Executive director: Lorraine Loesel
President: A. Lois Scully, M.D.,
1740 Broadway, New York 10019
(212) 586-8683

American Meteorological Society

Board on Women and Minorities
Chair: Jay Fein, Climate Dynamic Research
Section, National Science Foundation,
1800 G Street, N.W., Washington 20550
(202) 634-1538

American Nurses Association

Executive director: Myrtle K. Aydelotte
President: Barbara L. Nichols, 2420 Pershing
Rd., Kansas City, Mo. 64108
(816) 474-5720
Deputy executive director, Washington office:
Constance Holleran
1030 15th Street, N.W., Washington 20005
(202) 296-8010

American Personnel and Guidance Association

Women's Committee
Chair: Maria Nieto Senour, 755 North
Road, San Bernadino, Calif. 92404
(714) 882-5802

American Philological Association

Committee on the Status of Women and
Minority Groups
Chair: Sarah B. Pomeroy, Department of
Classics, Hunter College, 659 Park Ave.,
New York, N.Y. 10021
(212) 570-5118

American Philosophical Association

Committee on the Status of Women
Chair: vacant

American Philosophical Association—Continued

c/o A.P.A., University of
Delaware, Newark, Del. 19711
(302) 738-1112

American Physical Society

Committee on the Status of Women
Chair: Judith R. Franz, Department of
Physics, Indiana University,
Bloomington, Ind. 47401
(812) 337-4359

American Physiological Society

Task Force on Women in Physiology
Chair: Elizabeth Tidball, Department of
Physiology, George Washington University
2300 I St., N.W., Washington 20037
(202) 676-3559
Staff liaison: O. E. Reynolds, A.P.S., 9650
Rockville Pike, Bethesda, Md. 20014
(301) 530-7164

American Political Science Association

Committee on the Status of Women
Staff liaison: Walter Beach, A.P.S.A.
1527 New Hampshire Ave., N.W.,
Washington 20036
(202) 483-2512

American Psychiatric Association

Committee on Women
Chair: Elaine Hilberman, Department of
Psychiatry, Medical School, University of
North Carolina, Chapel Hill, N.C. 27514
(919) 966-4551

American Psychological Association

Committee on Women in Psychology
Contact: Nancy Felipe Russo, A.P.A.,
1200 17th St., N.W., Washington 20036
(202) 833-4908

American Society for Cell Biology

Women in Cell Biology
Contact: Elizabeth Harris, Department of
Botany, Duke University,
Durham, N.C. 27706 (919) 684-5546

American Society for Microbiology

Committee on the Status of Women
Chair: Jessie Price, National
Wildlife Health Laboratory,
1655 Linden Drive, Madison, Wis. 53706
(608) 252-5419

American Society for Public Administration

Committee for Women
Chair: Sally Gutierrez, Director of
Professional Development and Recruitment,
University of Southern California,
Los Angeles 90013
(213) 741-6081

American Society of Biological Chemists

Committee on Equal Opportunities for
Women
Chair: Edward W. Westhead, Professor of
Biochemistry, University of Massachusetts,
Amherst, Mass. 01002
(413) 545-2497

American Sociological Association

Committee on the Status of Women
Chair: Barrie Thorne, Center for Research
on Women, Stanford University, Stanford,
Calif. 94305
Staff liaison: Doris Y. Wilkinson, A.S.A.,
1722 N Street, N.W., Washington 20036
(202) 833-3410

American Speech and Hearing Association

Committee on the Equality of the Sexes:
Chair: Judy K. Underwood, 1716 South
County Rd. 29, Loveland, Colo. 80537
(303) 351-2012

American Studies Association

Committee on Women
Coordinator: Joanna S. Zangrando,
Department of American Studies,
Skidmore College, Saratoga Springs,
N.Y. 12866
(518) 584-5000

Association for Asian Studies

Committee on Women in Asian Studies
Chair: Hanna Papanek, 2 Mason
Street, Lexington, Mass. 02173
(617) 862-7776

Association for Women in Mathematics

President: Judith Roitman, Department of
Mathematics, University of Kansas,
Lawrence, Kan. 66045
(913) 864-4140

Association for Women in Science

President: Judith Ramaley,
1346 Connecticut Ave., N.W. Suite 1122
Washington 20036
(202) 833-1998

University Presses

Following is a list of university presses in North America, including their names, addresses, telephone numbers, top officials as of May 15, 1979, chief areas of publication interest, and scholarly periodicals issued. Information for the list was obtained from the Association of American University Presses, the Association of Canadian University Presses, and the presses themselves.

University of Alabama Press

Box 2877
University, Ala. 35486
(205) 348-5180

Acting director: John P. Defant
Acting editor-in-chief: Francis P. Squibb

▶ Scholarly books, monographs, especially in politics and public administration, Judaic studies, history, literature, philosophy, linguistics, philology; nonfiction and regional books; periodicals: *The Alabama Review, American Speech, Revista de Estudios Hispanicos*; monograph series: *Publications of the American Dialect Society, Studies in the Humanities*

University of Arizona Press

Box 3398
Tucson, Ariz. 85722
(602) 626-1441

Director and editor: Marshall Townsend

▶ Scholarly books, particularly in the fields with which Arizona universities are identified; regional nonfiction; Association for Asian Studies Monograph, Occasional Papers, and Reference series; Viking Fund Publications in Anthropology; quarterly journal of history: *Arizona and the West*

Brigham Young University Press

209 University Press Building
Provo, Utah 84602
(801) 374-1211

Director: Ernest L. Olson
Managing editor: John N. Drayton

▶ General academic, scholarly research, and Western regional books; textbooks

University of British Columbia Press

2075 Wesbrook Mall
Vancouver, B.C. V6T 1W5
(604) 228-3259

Director: Anthony N. Blicq
Senior editor: Jane Fredeman

▶ Works concentrating on Asia and the Pacific, Canadian literary criticism, Western Canada, and international law; *The Canadian Yearbook of International Law*; quarterly journals: *Pacific Affairs, Canadian Literature, B. C. Studies*

Brown University Press

191 Meeting Street
Providence, R.I. 02912
(401) 863-2455

Director and editor: Grant Dugdale

▶ Scholarly and regional works; Brown Egyptological Studies; the Brown University Slavic Reprint Series

Bucknell University Press

Lewisburg, Pa. 17837
(717) 524-3674

Director: Mills F. Edgerton, Jr.
Associate director: Cynthia Fell

▶ Scholarly books; *Bucknell Review*

University of California Press

2223 Fulton Street
Berkeley, Cal. 94720
(415) 642-4247

Director: James H. Clark

▶ Scholarly books; books of general interest; 20 series of scholarly monographs; scholarly journals: *Asian Survey, Ethos, Film Quarterly, Journal of African Studies, Nineteenth-Century Fiction, Nineteenth-Century Music, Pacific Historical Review, Policy Analysis, Romance Philology*

Cambridge University Press

32 East 57th Street
New York 10022
(212) 688-8885

Director: Euan H. Phillips
Editorial director: Walter H. Lippincott, Jr.

▶ Scholarly books and monographs; bibles; and journals: *Annals of Human Genetics, The Behavioral and Brain Sciences, Biological Reviews of the Cambridge Philosophical Society, The British Journal of Medical Psychology, The British Journal of Nutrition, British Journal of Political Science, The British Journal of Psychology, The British Journal of Social and Clinical Psychology, The Cambridge Law Journal, Comparative Studies in Society and History, The Economic Journal, European Journal of Sociology, Experimental Agriculture, Genetical Research, Geological Magazine, The Historical Journal, International Journal of Middle East Studies, The Journal of African History, The Journal of Agricultural Science, Journal of American Studies, Journal of Anatomy, Journal of Cell Science, Journal of Child Language, Journal of Dairy Research, The Journal of Ecclesiastical History, Journal of Embryology and Experimental Morphology, Journal of Experimental Biology, Journal of Fluid Mechanics, The Journal of General Microbiology, The Journal of General Virology, Journal of Latin American Studies, Journal of Linguistics, Journal of the Marine Biological Association of the U.K., The Journal of Modern African Studies, The Journal of Physiology, Journal of Plasma Physics, Journal of Occupational Psychology, Journal of Social Policy, Language in Society, Language Teaching and Linguistics: Abstracts, Mathematical Proceedings of the Cambridge Philosophical Society, Modern Asian Studies, New Testament Studies, Parasitology, Philosophy, The Proceedings of the Nutrition Society, Psychological Medicine, Quarterly Reviews of Biophysics, Religious Studies, Transactions of the British Mycological Society*

Cambridge University Press—Continued

Catholic University of America Press

620 Michigan Avenue, N.E.
Washington 20064
(202) 635-5052

Manager: Marian E. Goode

▶ Scholarly works in history, language and literature, philosophy, and religion; Fathers of the Church series; dictionary; language series

University of Chicago Press

5801 Ellis Avenue
Chicago 60637
(312) 753-3344

Director: Morris Philipson
Editor-in-chief: John G. Ryden

▶ Scholarly books and monographs; advanced or experimental textbooks at the graduate level; serious nonfiction of special interest; scholarly and professional journals: *Adolescent Psychiatry, The American Journal of Human Genetics, American Journal of Sociology, The American Naturalist, The Astrophysical Journal, The Astrophysical Journal Supplement Series, Botanical Gazette, Bulletin of the Center for Children's Books, Child Development, Child Development Abstracts and Bibliography, Monographs of the Society for Research in Child Development, Classical Philology, Comparative Education Review, Critical Inquiry, Current Anthropology, Economic Development and Cultural Change, The Elementary School Journal, Ethics, History of Religions, International Journal of American Linguistics, IJAL Native-American Texts Series, The Journal of Business, The Journal of Geology, The Journal of Infectious Diseases, The Journal of Medicine and Philosophy, The Journal of Modern History, Journal of Near Eastern Studies, Journal of Political Economy, The Journal of Religion, The Library Quarterly, Modern Philology, Ocean Yearbook, Perspectives in Biology and Medicine, Physiological Zoology, School Review, Signs: Journal of Women in Culture and Society, Social Service Review, Supreme Court Review, Technology and Culture, Winterthur Portfolio, Zygon: Journal of Religion and Science*

Colorado Associated University Press

1424 15th Street
Boulder, Colo. 80309
(303) 492-7191

Director: John T. Schwartz
Editor: Margaret Shipley

▶ Scholarly, scientific, and regional works

Columbia University Press

562 West 113th Street
New York 10025
(212) 678-6777

Director: Robert G. Barnes
Editor-in-chief: John D. Moore

Association of American Colleges
Project on the Status and Education of Women
Director: Bernice Resnick Sandler
A.A.C., 1818 R St., N.W.,
Washington 20009
(202) 387-1300

Association of American Geographers
Committee on the Status of Women
Chair: Clare Stapleton, Department of Geography, University of Wisconsin,
Madison, Wisc. 53706
(608) 262-3861

Association of American Law Schools
Section on Women in Legal Education
Chair: Rhonda R. Rivera, the Ohio State University College of Law,
1659 North High Street,
Columbus, Ohio 43210
(614) 422-2531

Biophysical Society
Committee on Professional Opportunities for Women
Women's Caucus
Chair: Paula Beall, Office of Naval Research, Code 444—Biophysics, 800 N. Quincy St., Arlington, Va. 22217
(202) 696-4058

College Art Association of America
Committee on the Status of Women
Chair: Mary Garrard, Department of Fine Arts, American University, Massachusetts and Nebraska Aves., N.W.,
Washington 20016
(202) 686-2114

College Music Society
Committee on the Status of Women
Chair: Adrienne Fried Block, College of Staten Island,
City University of New York,
Staten Island, N.Y. 10301
(212) 720-3130

International Sociological Association
Research Committee on Sex Roles in Society
Chair: Hanna Papanek

International Sociological Association—Continued
2 Mason Street,
Lexington, Mass. 02173
(617) 862-7776

Latin American Studies Association
Committee on Women
Chair: Jane Jaquette, Department of Political Science, Occidental College,
Los Angeles, 90041
(213) 259-2868

Linguistic Society of America
Committee on the Status of Women in Linguistics
Chair: Georgia Green, Department of Linguistics, 4088 Foreign Languages Bldg.,
University of Illinois, Urbana 61801
(217) 333-4166

Modern Language Association
Commission on the Status of Women
Co-Chair: Ruth Angress, Department of German, University of California,
Irvine, Cal. 92664
(714) 833-6576
Gloria T. Hull, English Department,
University of Delaware,
Newark, Del. 19711
(302) 738-2150

National Association for Women Deans, Administrators and Counselors
Executive director: Pat Rueckel,
1625 I Street, N.W., Suite 624-A,
Washington 20006
(202) 659-9330

National Council for the Social Studies
Committee on Sexism and Social Justice
Chair: Kathy Scott, 209 J Education,
Florida State University,
Tallahassee, Fla. 32306
(904) 644-5458

National Council of Administrative Women in Education
Executive director: Josephine Coiner
1815 Fort Myer Drive N.,
Arlington, Va. 22209
(703) 528-6111

National Council of Teachers of English
Committee on the Role and Image of Women
Chair: Lallie Coy, Triton College, RiverGrove, Ill. 60171
(312) 456-0300 ext.281

National Education Association
Women's Caucus
Chair: Terry Bergeson, 4205 Evanston Ave. N., Apt. 105, Seattle, Wash. 98103
(206) 633-0761

National University Extension Association
Division of Women's Education
Chair: Nancy C. Seltz, Division of Continuing Education, Indiana University,
Bloomington, Ind. 47401
(812) 337-1684
Committee on Concerns for Women
Chair: Peggy Houston, University of Iowa,
Iowa City 52242
(319) 353-4290

Society for Women in Philosophy
Contact: Peg Simons, Department of Philosophical Studies, Southern Illinois University, Edwardsville, Ill. 62025
(618) 692-2179

Society of American Archivists
Committee on the Status of Women
Chair: Eleanor McKay, Memphis State University, Memphis 38152
(901) 454-2210

Sociologists for Women in Society
Secretary: Teresa Marciano, Department of Sociology, Fairleigh Dickinson University,
Teaneck, N.J. 07666
(201) 336-6300

Speech Communication Association
Women's Caucus
Chair: Barbara Bate, Department of Speech Communication, Northern Illinois University, DeKalb, Ill. 60115
(815) 753-1565

Women's Educators
Coordinator: Maija Blaubergs
325 Aderhold,
University of Georgia, Athens, Ga. 30602
(404) 542-1806

SOURCES: AMERICAN ASSOCIATION OF UNIVERSITY WOMEN AND FEDERATION OF ORGANIZATIONS FOR PROFESSIONAL WOMEN, WITH UPDATING BY THE CHRONICLE AND E.P.E.

Columbia University Press—Continued
▶ Scholarly works; nonfiction of general interest; scientific and technical books; university-level textbooks; reference books; quarterly periodical: *American Speech*; publishing agent for the Foundation Center; distributors of *Universitetsforlaget*, publishers to Norwegian universities of English language editions

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Ithaca, N.Y. 14850
(607) 257-7000

Director: Roger Howley
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6697 College Station
Durham, N.C. 27708
(919) 684-2173

Director and editor: Ashbel G. Brice
▶ Scholarly books and monographs; currently active series: the Publications of the Duke University Center for Commonwealth Studies, Comparative Studies on Southern Asia, Comparative Legislative Studies, Duke Monographs in Medieval and Renaissance Studies, and *American Literary Scholarship* (annual); journals: *American Literature; Bulletin; The Duke Mathematical Journal; Ecology; Ecological Monographs; Hispanic American Historical Review; History of Political Economy; Journal of Health Politics, Policy, and Law; Journal of Medieval and Renaissance Studies; Journal of Personality; Law and Contemporary Problems; South Atlantic Quarterly*

Duquesne University Press
Administration Building
Pittsburgh 15219
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Director: John Dowds
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Editor: Harry Keyishian
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Gainesville, Fla. 32603
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Director: Phillip L. Martin
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Fordham University Press
University Box L
Bronx, N.Y. 10458

Fordham University Press—Continued
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Director and editor: H. George Fletcher
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Athens, Ga. 30602
(404) 542-2830

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Harvard University Press
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Howard University Press
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Executive director: Charles F. Harris
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▶ Scholarly books in history, education, and the humanities; reference materials; directory: *Black Engineers in the United States; Journal of Religious Thought*

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▶ Scholarly books; fiction; poetry; nonfiction of general interest; five series of scholarly monographs; journals: *Journal of Aesthetic Education, American Journal of Psychology, Comparative Literature Studies, Journal of English and Germanic Philology, Library Trends, Illinois Journal of Mathematics*

Indiana University Press
Tenth and Morton Streets
Bloomington, Ind. 47401
(812) 337-4203

Director: John Gallman
▶ Scholarly and educational books; nonfiction and regional books of general interest; series in semiotics, phenomenology and existential philosophy, film, American history since World War II, literature in translation; special fields are African studies, women's studies, politics and public policy, environment and ecology, folklore and anthropology, music

Inter American University Press
G.P.O. Box 3255
San Juan, Puerto Rico 00936
(809) 767-4240

Director-Editor: John H. Zebrowski
▶ Scholarly works; *Revista / Review Interamericana*

University of Iowa Press
Graphic Services Building
Iowa City 52242
(319) 353-3181

Director: John Simmons
Editor: Arthur Pflughaupt
▶ Scholarly books and monographs and serious books of general interest; poetry translation series; short fiction series; Midwestern regional books

Iowa State University Press
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(515) 294-5280

Director: Merritt E. Bailey
Managing editor: Rowena G. Malone
▶ Scholarly books and monographs; advanced and experimental textbooks; scientific and technical books; nonfiction of general interest; journals: *Iowa State Journal of Research, Poet and Critic*

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(301) 338-7832

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Editor-in-chief: Michael A. Aronson
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Lawrence, Kan. 66045
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Kent, Ohio 44242
(216) 672-7913
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Production editor: Michael A. DiBattista
▶ General scholarly nonfiction and regional works; journals *Civil War History, Mid-Continental Journal of Archeology*

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(606) 258-2951
Director: Kenneth Cherry
Managing editor: Evalin Douglas
▶ Scholarly and regional books

Les Presses de l'Université Laval
C.P. 2447
Québec G1K 7R4
(418) 656-3001
Director: Claude Frémont
Editor: Lucien Zérounian
▶ Scholarly books, monographs, and textbooks, journals *Études Littéraires, Relations Industrielles/Industrial Relations, Recherches Sociographiques, Service Social, Les Cahiers de Droit, Laval Théologique et Philosophique, Cahiers de Géographie de Québec, Le Naturaliste Canadien, Etudes Internationales*

Louisiana State University Press
Baton Rouge 70803
(504) 388-2071
Director: Leslie E. Phillabaum
Executive editor: Beverly Jarrett
▶ Nonfiction; scholarly books; books of regional interest; poetry and short fiction; translations

Loyola University Press
3441 North Ashland Avenue
Chicago 60657
(312) 281-1818
Director: The Rev. Vincent C. Horrigan
▶ Scholarly works; textbooks

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1020 Pine Avenue West
Montreal H3A 1A2
(514) 392-4421
Director: Donald M. Sutherland
Executive editor: Beverly Johnston
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Amherst, Mass. 01002
(413) 545-2217

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28 Carleton Street
Cambridge, Mass. 02142
(617) 253-5646
Director: Frank Urbanowski
Managing editor: Helen I. Osborne
▶ Scholarly books and monographs; advanced textbooks; nontechnical treatments of specialized subjects; periodicals *American Journal of Law and Medicine, Cell, Linguistic Inquiry, Journal of Interdisciplinary History, Neurosciences Research Program Bulletin, Oppositions*

Memphis State University Press
Memphis 38152
(901) 454-2752
Director and editor: James D. Simmons
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University of Miami Press
P. O. Box 249088
Coral Gables, Fla. 33124
(305) 284-3356
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▶ Scholarly books and monographs

University of Michigan Press
839 Greene Street
Ann Arbor, Mich. 48106
(313) 764-4387
Director: Walter E. Sears
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Michigan State University Press
1405 South Harrison Road
East Lansing, Mich. 48824
(517) 355-9543
Director: Lyle Blair
▶ Scholarly works; textbooks; works of general interest

University of Minnesota Press
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Minneapolis 55455
(612) 373-3266
Director: John Ervin, Jr.
Acquisitions editor: William A. Wood
▶ Scholarly works; regional and general-interest nonfiction; college and graduate-level textbooks

University Press of Mississippi
3825 Ridgewood Road

University Press of Mississippi—Continued
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(601) 982-6205
Director: Barney McKee
▶ Scholarly works; regional works, mainly in area of southern history and literature

University of Missouri Press
107 Swallow Hall
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(314) 882-7641
Director: Edward King
Senior editor: Susan Kelpe
▶ Scholarly books and monographs, especially in literary criticism and American history; several series; regional books; poetry; general-interest publications

Les Presses de l'Université de Montréal
C.P. 6128
Montréal H3C 3J7
(514) 343-6929
Director: Danielle Ros
Managing editor: Jacques Latour
▶ Scholarly books and monographs; serious nonfiction of special interest; scholarly journals *Études Françaises, Meta, Revue Canadienne de Biologie, Acta Criminologica, Sociologie et Sociétés, Revue de Géographie de Montréal*

University of Nebraska Press
901 North 17th Street
Lincoln, Neb. 68588
(402) 472-3581
Director: David H. Gilbert
Editor-in-chief: Virginia Faulkner
▶ Scholarly nonfiction; regional history; works on natural resources; general-interest nonfiction; periodical: *Prairie Schooner*

University of Nevada Press
Reno, Nevada 89557
(702) 784-6573
Director: Robert Laxalt
Editor: Nicholas M. Cady
▶ Scholarly books and monographs; books on Nevada and the west, anthropology, and art; Basque studies

University Press of New England
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Hanover, N.H. 03755
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Director and editor: David Horne
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University of New Mexico Press
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Director: Hugh W. Treadwell

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▶ Scholarly works; general-interest nonfiction; books dealing with New Mexico and the Southwest; anthropology; Latin American studies

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Northern Illinois University Press
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Editor: Ann Rice
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Columbus, Ohio 43210

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▶ Nonfiction; journals: *Journal of Higher Education, Geographical Analysis, Journal of Money, Credit, and Banking*

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(614) 594-5852
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Managing editor: Holly Panich
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University of Oklahoma Press
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Norman, Okla. 73019
(405) 325-5111
Director: Edward A. Shaw
Editor-in-chief: Luther Wilson
▶ Scholarly books; general-interest nonfiction; periodicals: *Oklahoma Law Review, World Literature Today*

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Director: Gwil Evans
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Ottawa K1N 6N5
(613) 231-2270
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▶ Research by professors of the University of Ottawa; periodicals: *Crime and Justice/Crime et Justice, Incidence, Inscape, Revue Generale de Droit, Revue de l'Universite d'Ottawa, Social History/Histoire Sociale*

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Editorial director: John M. Pickering
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Editor: Louise Craft
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Director: William J. Whalen
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Rockefeller University Press
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(212) 360-1217
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Southern Illinois University Press

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Southern Methodist University Press

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Stanford University Press

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(415) 323-9471

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Associate director and editor: J. G. Bell
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State University of New York Press

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Director: Arpena Mesrobian
Editor: Walda Nitschke
▶ Scholarly and technical books and monographs; regional books, including series on the Iroquois and the Adirondacks; serious nonfiction of general interest; *Symposium: A Quarterly Journal in Modern Foreign Literatures*

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(215) 787-8787

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University of Tennessee Press

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Director: Carol Orr
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▶ Scholarly books and monographs; general and regional nonfiction

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(713) 845-1436

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General editor: Ian Montagnes
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University Press of Washington, D.C.

University Press Building
Riverton, Va. 22651
(703) 635-4029

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Executive editor: E. S. Larsen
▶ Scholarly works, college textbooks, general nonfiction, poetry; foundation press, outlet for institutions without campus press facilities and for selected government agencies

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5959 Woodward Avenue
Detroit 48202
(313) 577-4606

Wayne State University Press—Continued

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Chief editor: Barbara Woodward
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55 High Street
Middletown, Conn. 06457
(203) 347-6965

Director: Willard A. Lockwood
▶ Scholarly nonfiction; regional books, poetry, journal: *History and Theory: Studies in the Philosophy of History*

Wilfrid Laurier University Press

75 University Avenue West
Waterloo, Ont. N2L 3C5
(519) 884-1970

Director: Norman E. Wagner
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University of Windsor Press

Windsor, Ont. N9B 3P4
(519) 253-4232

Chairman: Maurice Adelman
Chief editor: Eugene McNamara
▶ Scholarly books; journal: *University of Windsor Review*

University of Wisconsin Press

Box 1379
Madison, Wis. 53701
(608) 262-4928

Director: Thompson Webb
▶ Scholarly books and monographs; journals: *Arctic Anthropology, Contemporary Literature, International Organization, Journal of Consumer Affairs, Journal of Human Resources, Land Economics, Luso-Brazillian Review, Monatshefte*

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92A Yale Station
New Haven 06520
(203) 432-4969

Director: Chester Kerr
Managing editor: Edward Tripp
▶ Scholarly books; papers of Benjamin Franklin and Thomas More; Western Americana series; reference books

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Action Consortium
955 L'Enfant Plaza
Washington, D.C. 20004
(202) 488-8167
Richard M. Witter, Executive Director

Alabama Center for Higher Education
2121 8th Avenue, North
Birmingham, Ala. 35203
(205) 324-4626
Richard Arrington, Jr., Executive Director

Alabama Consortium for the Development of Higher Education
Box 6293
University, Ala. 35486
(205) 348-5207
Lillie S. King, Executive Director

Associated Colleges of Central Kansas
105 East Kansas
McPherson, Kan. 67460
(316) 241-5150
Timothy C. Adams, Executive Director

Associated Colleges of the Midwest
18 South Michigan Avenue
Chicago, Ill. 60603
(312) 2363-5000
Dan M. Martin, President

Associated Colleges of the St. Lawrence Valley
SUNY College at Potsdam
Raymond Hall
Potsdam, N.Y. 13676
(315) 265-2790
Fritz H. Grupe, Executive Director

Associated Colleges of the Twin Cities
2115 Summit Avenue
St. Paul, Minn. 55105
(612) 647-5810
Andrew E. Helmich, Executive Director

The Association for Graduate Education and REsearch
Box 688, Richardson, Tex. 75080
(214) 231-7211
Gilbert A. Peters, Executive Director

Association of Colleges and Universities for International-Intercultural studies
Box 871, Nashville, Tenn. 37202
(615) 327-2700
Richard N. Bender, Executive Director

Atlanta University Center, Inc.
360 Westview Drive SW
Atlanta, Ga. 30310
(404) 522-8980
Charles W. Merideth, Chancellor

Auraria Higher Education Center
Box 4615, Denver, Colo. 80204
(303) 629-3291
Jerome F. Wartgow, Executive Director

Boston Theological Institute
210 Herrick Road
Newton Centre, Mass. 02159
(617) 969-2946
John Turnbull, Director

Brooklyn Educational and Cultural Alliance
26 Court Street, Suite 2701
Brooklyn, N.Y. 11242
(212) 852-4400
Howard B. Hornstein, Executive Director

Capital Consortium for Continuing Higher Education
Richard Bland College
Petersburg, Va. 23803
(804) 732-0111
Ernest L. Barnett, Administrator

Central Illinois Arts Consortium
260 Capitol Campus
Sangamon State University
Springfield, Ill. 62708
(217) 782-2515
Cordelia Burpee, Executive Director

Central Pennsylvania Consortium
Dickinson College
Carlyle, Pa. 17013
(717) 245-1490
Beverley D. Eddy, Executive Director

Central Virginia Consortium
University of Virginia
104 Midmont Lane
Charlottesville, Va. 22903
(804) 924-3747
John D. Murdaugh, Administrator

Charleston Higher Education Consortium
171 Ashley Avenue
Charleston, S.C. 29403
(803) 792-3627
John W. Zemp

Chicago Cluster of Theological Schools
1100 East 55th Street
Chicago, Ill. 60615
(312) 667-3500
Frederick K. Wentz, Executive Director

Chicago Consortium of Colleges and Universities
2235 North Sheffield Drive
Chicago, Ill. 60614
(312) 549-4690
John M. Beck, Executive Director

Chicago Metro Higher Education Council
Chicago State University E. 117
95th Street at King Drive
Chicago, Ill. 60628
(312) 995-7100
Presley D. Holmes, President

Christian College Consortium
11 Dupont Circle, NW
Washington, D.C. 20036
(202) 232-4477
John R. Dellenback, President

The Claremont Colleges
c/o Claremont University Center
Claremont, Cal. 91711
(714) 626-8511
Joseph B. Platt, President

Cleveland Commission on Higher Education
c/o Cleveland Public Library
Business and Science Building
Cleveland, Ohio 44144
(216) 241-7583
Helen C. Bond, Executive Secretary

College Center of the Finger Lakes
22 West Third Street
Corning, N.Y. 14830
(607) 962-3134
Evelyn W. Wood, Executive Director

Colleges of Mid-America
Sioux Falls College
1501 South Prairie
Sioux Falls, S.D. 57101
(605) 332-5951
James B. Beddow, President

Committee on Institutional Cooperation
820 Davis Street
Evanston, Ill. 60201
(312) 866-6630
Frederick H. Jackson, Director

Confederation of Universities of Central America
Apartado 37, Ciudad Universitaria
San Pedro M. de Oca, Costa Rica
252744
Sergio Ramirez Mercado, Secretary General

Conference of Rectors and Principals of Quebec Universities
2, Complexe Desjardins
Montreal H5B 1B3
(514) 228-8524
Richard Perusse, Director General

Consortium for Continuing Higher Education in Northern Virginia
4210 Roberts Road
Fairfax, Va. 22030
(703) 323-2155
Charlotte Wilhelmi, Administrator

Consortium for Environmental Forestry Studies
6816 Market Street
Upper Darby, Pa. 19082
(215) 596-1634
George H. Moeller, Program Coordinator

Consortium on Financing Higher Education
Box 251
Hanover, N. H. 03755
(603) 646-3282
Katherine Hanson, Executive Director

Consortium for Health Education in Northwest Ohio
Medical College of Ohio
Caller No. 10008
Toledo, Ohio 43699
(419) 381-4235
Elsa L. Brown, Secretary

Consortium of Universities of the Washington Metropolitan Area
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Washington 20036
(202) 265-1313
The Rev. John P. Whalen, Executive Director

Consortium for Urban Education, Indianapolis, Inc.
155 East Market Street
Indianapolis 46204
(317) 264-3709
Noel C. Baker, Provost

Cooperating Raleigh Colleges
Meredith College
Raleigh, N.C. 27611
(919) 833-6461
J. P. Freeman, Director

Cooperating Winfield Colleges
Seventh and College
St. John's College
Winfield, Kan. 67156
(316) 221-4000
Byron E. Moore, Coordinator

The Cooperative Continuum of Education
Room 609, 130 Stuyvesant Place
Staten Island, N.Y. 10301
(214) 447-2600
Edward L. Brennan, Director

Council for Intercultural Studies and Programs
60 East 42nd Street
New York 10017
(212) 972-9877
Walter T. Brown, President

Council for the Advancement of Experiential Learning
American City Building, Suite 208
Columbia, Md. 21044
(301) 997-3535
Morris T. Keeton, Executive Director

Council of Ontario Universities
130 Saint George Street
Toronto M5S 2T4
(416) 979-2165
Edward Joseph Monahan, Executive Director

Council of West Suburban Colleges
5700 College Road
Lisle, Ill. 60532
(312) 971-0960
Claudette Dwyer, Executive Director

Dayton-Miami Valley Consortium
1810 Harvard Boulevard
Dayton, Ohio 45406
(513) 278-9105
Presley C. McCoy, President

Detroit Area Consortium of Catholic Colleges
20,000 West Nine Mile Road
Southfield, Mich. 48075
(313) 357-0564
Joan Mount, Executive Director
el4

East Central College Consortium
Mount Union College
Alliance, Ohio 44601
(216) 821-5320
David R. Ragosin, Executive Director

East-Central Illinois Community College Consortium
Parkland College
2400 West Bradley Avenue
Champaign, Ill. 61820
(217) 351-2236
Clifton H. Matz, Chairman

Educom, Inc. Princeton
Box 364, Rosedale Road
Princeton, N.J. 08540
(609) 921-7575
James C. Emery, President

Federation of North Texas Area Universities
10830 North Central Expressway
Dallas 75231
(214) 361-2290
Martha Wood, Executive Director

Five Colleges, Inc.
Box 740, Amherst, Mass. 01002
(413) 256-8316
E. Jefferson Murphy, Coordinator

Graduate Studies Center at Millikin University
1184 West Main Street
Decatur, Ill. 62522
(217) 424-6202
William D. Lewis, Director

Graduate Theological Union
2465 Le Conte Avenue
Berkeley, Cal. 94709
(415) 841-9811
Claude Welch, Dean and President

Great Lakes Colleges Association
220 Collingwood

Great Lakes (Continued)
Ann Arbor, Mich. 48103
(313) 761-4833
Jon W. Fuller, President

Greater Cincinnati Consortium of Colleges and Universities
119 Alter Hall
Xavier University
Cincinnati 45207
(513) 745-3104
Ralph L. Pearson, Executive Director

Greater Hartford Consortium for Higher Education
201 Bloomfield Avenue
West Hartford, Conn. 06117
(203) 233-1553
Ruth Billyou, Coordinator

Greensboro Regional Consortium, Inc.
40 Greensboro College
Greensboro, N. C. 27420
(919) 275-4549
William J. Lanier, Executive Director

Higher Education Consortium for Urban Affairs, Inc.
Hamline University
St. Paul, Minn. 55104
(612) 646-8831
Valerie Halverson Pace, Executive Director

Higher Education Consortium on Assessment
137 Newbury Street
Boston 02116
(617) 261-5570
Paul S. Pottinger, Director of
Assessment Systems

Higher Education Council of St. Louis
4378 Lindell Boulevard
St. Louis 63108
(314) 534-2700
F. C. Gamelin, President

Hudson-Mohawk Association of Colleges and Universities
849 New Loudon Road
Latham, N.Y. 12110
(518) 785-3219
Robert M. Briber, Executive Director

Illinois Educational Consortium
One North Old State Capitol Plaza
Springfield, Ill. 62701
(217) 782-4066
Michael S. Sher, President

Institute for Teaching and Learning
Spelman College
350 Spelman Lane, S.W.
Atlanta 30314
(404) 681-3643
Pauline E. Drake, Director

Interuniversity Council of the North Texas Area
Box 688
Richardson, Tex. 75080
(214) 231-7211
Gilbert A. Peters, Executive Director

Inter-University Doctoral Project
New York University, Dept. 123
Washington Square, N.Y., N.Y. 10003
(212) 598-3335
Benjamin Rivlin, Director

Inter-University Institute of Engineering Control
Department of Engineering
University of Warwick
Coventry CV4 7AL
(0203) Coventry 24011
R. W. Pratt, Research Project Manager

Kansas City Regional Council for Higher Education
912 East 63rd Street
Kansas City, Mo. 64110
(816) 361-4143
Lloyd J. Averill, President

Kansas Newman College-Friends University Cooperative Program
3100 McCormick Avenue
Wichita, Kan. 67213
(316) 942-4291
No executive officer

Kentuckiana Metroversity
Garden Court
Alta Vista Road
Louisville, Ky. 40205
(502) 897-3374
John H. Ford, Executive Director

Lake Superior Association of Colleges and Universities
210 Washburn Hall
2305 East Fifth Street
Duluth, Minn. 55812
(218) 724-7100
Judith A. Kotar, Program Coordinator

League for Innovation in the Community College
1100 Glendon Avenue
Westwood Center
Los Angeles 90024
(213) 479-3941
Terry O'Banion, Executive Director

Lehigh Valley Area Health Education Center
2171 28th Street, S.W.
Allentown, Pa. 18103
(215) 791-2222
No executive officer

Lehigh Valley Association of Independent Colleges
Old Seminary Building
Moravian College
Bethlehem, Pa. 18018
(215) 691-6131
Harry L. Price, Coordinator

Metro East St. Louis Regional Council on Interinstitutional Cooperation
Box 1588
Edwardsville, Ill. 62026
(618) 629-3340
Alfred J. Junz, Executive Director

Mid-Missouri Associated Colleges and Universities
231 Gentry Hall
University of Missouri
Columbia, Mo. 65201
(314) 882-7558
Douglas Ensminger, President

Midwest Universities Consortium for International Activities
610 North Walnut Street
Madison, Wis. 53706
(608) 263-1950
John T. Murdock, Executive Director

Nashville University Center
University Plaza
1007 18th Avenue, South
Nashville 37212
(615) 322-4953
Anne Brown, Executive Director

National Student Exchange
Indiana University-Purdue University
at Fort Wayne
2101 Coliseum Boulevard
Fort Wayne, Ind. 46805
(219) 482-5736
Bette Worley, Coordinator

Nebraska ETV Council for Higher Education
P.O. Box 83111, Lincoln, Neb. 68501
(402) 472-3611
Lee Rockwell, Executive Director

New Hampshire College and University Council
2321 Elm Street
Manchester, N. H. 03104
(603) 669-3432
Henry W. Munroe, Executive Director

New Orleans Consortium
7214 Saint Charles Avenue
New Orleans 70018
(504) 866-4826
Mary H. Ellis, Executive Director

The North Central University Center
1600 South Minnesota Avenue
Sioux Falls, S. D. 57105
(605) 336-5555
Tom Kilian, President

Northeastern Ohio Universities College of Medicine
275 Martinel Drive
Kent, Ohio 44240
(216) 678-3004
Charles V. Blair, Vice-provost

Northern Plains Consortium for Education
Jamestown College
Jamestown, N. D. 58401
(701) 253-2505
Donald T. Cannon, Executive Director

Northwest Ohio Consortium
1000 North Main Street
Findlay, Ohio 45840
(419) 422-8313
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Northwestern Pennsylvania Planning Council for Higher Education
Box 703
Edinboro, Pa. 16412
(814) 732-2802
Bridget B. Wehner, Administrative Associate

Oak Ridge Associated Universities
Box 117
Oak Ridge, Tenn. 37830
(615) 483-8411
Philip L. Johnson, Executive Director

Office of the Council of State Colleges and University Presidents
Olympia, Wash. 98505
(206) 866-6125
Robert L. Carr, Director

The Ohio College Association, Inc.
Box 3082, University Station
Columbus, Ohio 43210
(614) 422-8041
Gary Andeen, Exec. Secretary-Treasurer

Ohio College Three
1000 North Main Street
Findlay, Ohio 45840
(419) 422-8313
Edward W. Erner, Director

Oregon Independent Colleges Association
Riviera Plaza
1618 S. W. First Avenue
Portland, Ore. 97201
(503) 246-3415
Donald E. Fouts, Executive Director

Owensboro Higher Education Consortium
3000 Frederica Street
Owensboro, Ky. 42301
(502) 684-9797
Keith Taylor, Executive Director

Pittsburgh Council on Higher Education
222 Craft Avenue
Pittsburgh 15213
(412) 683-7905
J. G. K. Miller, Executive Director

Public Service Satellite Consortium
4040 Sorrento Valley Boulevard
San Diego 92121
(714) 452-1140
John P. Witherspoon, President

Quad-Cities Graduate Study Center
639 38th Street
Rock Island, Ill. 61201
(309) 794-7376
Donald A. Johnson, Director

Quincy Area Education Consortium
1919 North Eighteenth Street
Quincy, Ill. 62301
(217) 224-6500
J. Victor Hopper, President

Regional Association of East Bay Colleges and Universities
200 California Hall
University of California
Berkeley, Cal. 94720
(415) 642-2795
Steven Kalmon, Executive Coordinator

Regional Education Service Agency
13202 6th Avenue
Cresaptown, Md. 21502
(301) 729-1604
George E. Allen, Executive Director

Regional Post-Secondary Education Center Minnesota Higher Education Coordinating Board
Room A-102, Rochester Community College
Highway 14 East
Rochester, Minn. 55901
(507)285-7210
Wilbur L. Wakefield, Regional Coordinator

Rochester Area Colleges
50 West Main Street
Rochester, N.Y. 14614
(716) 454-2386
Alexander R. Cameron, Executive Director

Rockford Regional Academic Center
215 North Wyman Street
Rockford, Ill. 61101
(815) 968-0834
Ronald Hallstrom, Executive Director

The San Francisco Consortium on Higher Education and Urban Affairs
111 New Montgomery Street
San Francisco 94105
(415) 543-9580
Lloyd D. Luckmann, Executive Director

South Central Pennsylvania Health Education Consortium
York Hospital
1001 South George Street
York, Pa. 17405
(717) 771-2127
Edmund M. Miller, Executive Director

Southeast Florida Educational Consortium
c/o Florida International University
Tamiami Trail
Miami, Fla. 33144
(305) 223-2300
Richard H. Konkel, Executive Director

Southern Consortium for International Education
Georgia Institute of Technology
Atlanta 30302
(404) 894-3851
L. Harlan Davis, Executive Director

Southern Illinois Collegiate Common Market
John A. Logan College
Carterville, Ill. 62918
(618) 985-3741
Ron House, Executive Director

Southwest Alliance for Latin America
1700 Asp Avenue
Norman, Okla. 73037
(405) 325-1941
R. H. Hancock, Executive Secretary

directory

Southwestern Pennsylvania Higher Education Council
200 South Craig Street
Pittsburgh 15213
(412) 624-3361
Betty Brooks, Director

State Colleges and University Consortium in Colorado
1525 Sherman Street
Denver 80203
(303) 839-2588
Joseph A. Raab, Coordinator for Academic Affairs

Technical Assistance Consortium to Improve College Services
2001 S Street, N.W.
Washingon 20009
(202) 232-7738
Van S. Allen, Executive Director

Texas Association of Developing Colleges
1010 W. Mockingbird Lane
Dallas 75247
(214) 630-2511
Melvin B. Shaw, Executive Director

Tri-College University
717 South Sixteenth Street
Moorhead, Minn. 56560
(218) 236-2844
John McCune, Provost

Union for Experimenting Colleges and Universities
2331 Victory Parkway
Cincinnati 45206
(513) 861-3334
Kenneth Rothe, President

Union of Independent Colleges of Art
4340 Oak Street

Union of Indep. (continued)
Kansas City, Mo. 64111
(816) 753-6654
Dean E. Tollefson, Executive Director

University Center in Georgia, Inc.
University of Georgia
Athens, Ga. 30602
(404) 542-3715
Albert B. Jones, Director

University Center at Harrisburg
2991 N. Front Street
Harrisburg, Pa. 17110
(717) 238-9694
Quay C. Snyder, Executive Director

University City Science Center
3624 Science Center
Philadelphia 19104
(215) 387-2255
Randall M. Whaley, President

University Consortium Center
105 North Division
Grand Rapids, Mich. 49503
(616) 459-7123
Irene L. Brown, Supervisor of Administrative Services

University of Mid-America
1600 North 33rd
Lincoln, Neb. 68501
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Urban Corridor Consortium
810 Library Learning Center
The University of Wisconsin-Green Bay
Green Bay, Wis. 54302
(414) 465-2397
W. Werner Prange, Director

Valley of Virginia Consortium for Higher Education
Madison College

Valley of Virginia (Continued)
Harrisonburg, Va. 22801
(703) 433-6395
Grant Rush, Administrator

Virginia Tidewater Consortium for Continuing Higher Education
12070 Jefferson Avenue
Newport News, Va. 23606
(804) 877-9231
Lawrence G. Dotolo, Administrator

Washington Theological Consortium
487 Michigan Avenue, N.E.
Washington 20017
(202) 832-2675
Reverend David M. Murphy, Director

West Central Wisconsin Consortium
1725 State Street
La Crosse, Wis. 54601
(608) 785-8016
Robert L. Burns, Secretary-Coordinator

Western North Carolina Consortium
Appalachian State University
Boone, N. C. 28608
(704) 262-3057
Milton Spann, Director

Western Region Consortium for Continuing Higher Education
Virginia Polytechnic Institute
Blacksburg, Va. 24061
(703) 951-5631
E. G. Simpson, Jr., Administrator

Worcester Consortium for Higher Education
University of Massachusetts Medical Center
55 Lake Avenue, North
Worcester, Mass. 01605
(617) 754-6820
Lawrence E. Fox, Executive Director

Selected Directory of Science-Technology Centers And Their Schedules

The following is a list of museums which are members of the Association of Science-Technology Centers.

American Museum of Science and Energy
Oak Ridge Associated Universities
P.O. Box 117
Oak Ridge, Tenn. 37830
(615) 483-8411
Director: Robert F. Content
▶ Hours: Mon.-Sat., 9-5; Sun., 12:30-5; June-August, open until 6. Free.

Buhl Planetarium and Institute of Popular Science
Allegheny Square
Pittsburgh, Pa. 15252
(412) 321-4300
Executive Director: Carl F. Wapiennik
▶ Mon.-Tues., 1-5; Wed.-Fri., 1-5, 7-10; Sat., 10:45-5, 7-10; Sun, 1-10. Admission fee.

California Museum of Science and Industry
700 State Drive—Exposition Park
Los Angeles, Cal. 90037
(213) 749-0101
Director: William J. McCann
▶ Everyday, 10-5. Free.

Center of Science and Industry
280 East Broad Street
Columbus, Ohio 43215
(614) 228-6361
Executive Director: S.N. Hallock II
▶ Mon.-Sat., 10-5; Sun. & Holidays, 1-5:30. Admission fee.

Cleveland Health Museum and Education Center
8911 Euclid Avenue
Cleveland, Ohio 44106
(216) 231-5010
Director: Lowell F. Bernard
▶ Mon.-Sat., 9-4:30; Sun., 1-4:30. Admission fee.

Cranbrook Institute of Science
500 Lone Pine Road
Bloomfield Hills, Mich. 48013
(313) 645-3000
Director: Robert N. Bowen
▶ Mon.-Fri., 10-5; Sat., 1-9; Sun. 1-5. Admission fee.

Dallas Health and Science Museum
First at Forest Avenue
Box 26407
Dallas, Tex. 75226
(214) 428-8351
Director: H. Dodson Carmichael
▶ Mon.-Sat., 9-5; Sun. and Holidays, 1-5. Free.

Des Moines Center of Science and Industry
4500 Grand Avenue
Greenwood Park
Des Moines, Iowa 50312
(515) 274-4138
Director: Walter Dunn
▶ Tues.-Sat., 11-5; Fri. eve., 7-9:30; Sun., 1-5; Mon. closed. Admission fee.

The Exploratorium
Palace of Arts and Sciences
3601 Lyon Street
San Francisco, Cal. 94123
(415) 563-7337
Director: Frank Oppenheimer
▶ Wed.-Sun., 1-5; Wed. eve, 7-9:30; closed Mon.-Tues. Admission fee.

Fernbank Science Center
156 Heaton Park Drive, N.E.
Atlanta, Ga. 30307
(404) 378-4311
Director: Lewis Shelton, Jr.
▶ Mon.-Sat., 8:30-5; Tues.-Fri.,8:30-10; Sun.,1:30-5. Free.

Franklin Institute Science Museum and Planetarium
20th Street and Benjamin Franklin Parkway
Philadelphia, Pa. 19103
(215) 448-1000
Director: Joel N. Bloom
▶ Mon.-Sat., 10-5; Sun., 12-5. Admission fee.

Hall of Science of the City of New York
P.O. Box 1032
Flushing Meadows—Corona Park
Flushing, N.Y. 11352
(212)699-9400
Executive Director: Wallace West
▶ Wed.-Fri., 10-4; Sat., 10-5; Sun., 11-5; closed Mon.-Tues. Admission fee.

Lawrence Hall of Science
Centennial Drive
University of California
Berkeley, Cal. 94720
(415) 642-5132 (main no.)
(415) 642-4193 (director's no.)
Director: Watson M. Laetsch
▶ Mon.-Fri., 10-4:30; Thurs., 10-9;Sat.-Sun., 10-5; Free.

Maryland Science Center
601 Light Street
Baltimore, Md. 21230
(301)685-2370 (local: 621-1964)
Director: James R. Backstrom
▶ Tues.-Thurs., 10-5; Fri.-Sat., 10-10; Sun., 12-6. Admission fee.

Museum of Science
Science Park
Boston, Mass. 02114
(617) 723-2500
Director: Bradford Washburn
▶ Mon.-Sat., 10-5; Fri. eve, 10-10; Sun., 11-5. Admission fee.

Museum of Science and Industry
57th Street and South Lake Shore Drive
Chicago, Ill. 60637
(312) 684-1414
President: Victor J. Danilov
▶ Mon.-Fri., 9:30-4 (except May-Labor Day, 9:30-5:30); Sat.,Sun., and Holidays, 9:30-5:30; Free.

National Museum of Science and Technology
1867 St. Laurent Boulevard
Ottawa, KIA OM8 Ontario
Canada
(613)998-9660
Director: David M. Baird
▶ Daily, 9-9 (except closed Mon. mid-Sept.-mid-May); Free.

Ontario Science Centre
770 Don Mills Road
Don Mills, Ontario M3C IT3
Canada
(416) 429-4100
Director General: J. Tuzo Wilson
▶ Daily, 10-6; extended summer hours. Admission fee.

Oregon Museum of Science and Industry
4015 S.W. Canyon Road
Portland, Ore. 97221
(503) 248-5900
Museum Director: Clint Gruber
▶ Summer: Mon.-Thurs., 9-6; Fri.-Sun.,9-9; winter: Mon.-Thurs., 9-5; Fri.,9-9; Sat.-Sun., 9-6. Admission fee.

Pacific Science Center
200 Second Avenue, North
Seattle, Wash. 98109
(206) 624-8140
Director: Helmuth Naumer
▶ Summer: Daily, 10-7; winter: Mon.-Fri., 10-5; Sat.-Sun. 10-7. Admission fee.

Technological Museum
(Museo Tecnologico de Comision Federal de Electricidad)
Apartado Postal Num, 18-816
Mexico 18, D.F.
(905) 515-6510
Fermin Reygadas
▶ Tues.-Sun., 9-5; closed Mon. & holidays; Free.

The following museums are associate members of the Association of Science-Technology Centers:

Alabama Space and Rocket Center
Tranquility Base
Huntsville, Ala. 35807
(205) 837-3400
Director: Edward O. Buckbee
▶ Sept.-May, 9-6; June-Aug., 8-7. Admission fee.

Alfa Cultural Center
P.O. Box 1177
Monterrey, Mexico
83/78-07-49 or 78-07-30
Director: Guillermo Schmidhuber
▶ Daily 5-9; Admission fee. School visits 9-5. Free.

Don Harrington Discovery Center
1200 Streit Drive
Amarillo, Tex. 79106
(806) 355-9547
Foundation Director: Randy Henson
▶ Weekdays 10-4; Free.

Bell Museum of Natural History
University of Minnesota
10 Church Street, S.E.
Minneapolis, Minn. 55455
(612) 373-2423
Director: Harrison B. Tordoff
▶ Mon.-Sat., 9-5; Sun., 1-5; Free.

Bishop Museum
P.O. Box 6037
Honolulu, Hawaii 96818
(808) 847-3511
Director: Edward C. Creutz
▶ Daily, 9-5, except Christmas. Admission fee.

Bowers Museum
2002 North Main Street
Santa Ana, Cal. 92706
(714) 834-4024
Director: Reilly P. Rhodes
▶ Tues.-Sat., 9-5; Sun.,1-6; Wed. & Thurs. eve, 7-10; Free.

Buffalo Museum of Science
Humboldt Parkway
Buffalo, N.Y. 14211
(716) 896-5200
Director: Virginia L. Cummings
▶ Mon.-Sat., 10-5; Sun. and Holidays, 1:30-5:30; Fri. eve. until 10, except June-Aug.; Free.

Charleston Museum
121 Rutledge Avenue
Charleston, S.C. 29401
(803) 722-2996
Director: Donald G. Herold
▶ Closed until summer, 1979, for rebuilding.

Charlotte Nature Museum
1658 Sterling Road
Charlotte, N.C. 28209
(704) 333-0506
Executive Director: Russell I. Peithman
▶ Mon.-Sat., 9-5; Sun., 2-5. Free.

Children's Museum of Indianapolis
3000 North Meridian Street—Box 88126
Indianapolis, Ind. 46208
(317) 924-5431
Director: Mildred S. Compton
▶ Tues.-Sat., 10-5; Sun., 1-5; closed Mon. Free.

Cincinnati Health and Science Center
231 Bethesda Avenue
Room 6213—College of Medicine
Cincinnati, Ohio 45267
(513) 281-2320
Katy Hinrichs
▶ Not yet opened.

Cumberland Museum and Science Center
800 Ridley Avenue
Nashville, Tenn. 37203
(615) 242-1858
Director: William Bradshaw
▶ Tues.-Sat., 10-5; Sun., 1-5. Admission fee, except on Tues.

Detroit Science Center
5020 John R. Street
Detroit, Mich. 49015
(313) 833-1892
Director: Bradley G. Brewer
▶ Mon.-Fri., 9-5; Sat., 10-5; Sun. 12-5; all eves., 7-9:30. Admission fee.

Discovery Center
231 S. W. 2nd Avenue
Ft. Lauderdale, Fla. 33301
(305) 462-4115
Director: Jean A. Stacey
▶ Weekdays 2-5; Sat.-Sun., 10-5. Admission fee.

Discovery Center
1944 North Winery Avenue
Fresno, Cal. 93703
(209) 251-5531
Director: L.C. Finneran
▶ Tues.-Sat., 9-5; Sun., 1-5; closed Mon. Admission fee.

Evansville Museum of Arts and Sciences
411 S. E. Riverside Drive
Evansville, Ind. 47713
(812) 425-2406
Director: John W. Streetman III
▶ Tues.-Sat., 10-5; Sun.,12-5; closed Mon. Free.

The Experience Center
16642 Algonquin No. 1
Huntington Beach, Cal.
(714) 840-2882
Director: John Goodman
▶ Not yet opened.

Fairbanks Museum and Planetarium
Main and Prospect Streets
St. Johnsbury, Vt. 05819
(802)748-2372
Director: William G. Brown
▶ Mon.-Sat., 9-4:30; Sun., 1-5; Voluntary donation.

Reuben H. Fleet Space Theater and Science Center
1875 El Prado
P.O. Box 33303
San Diego, Cal. 92103
(714) 238-1233
Director: Jack Laney
▶ Daily, 10-10, but closed 5-7 weekdays during school year.

Museum of Science and Industry of Tampa/Hillsborough
P.O. Box 8311
Tampa, Fla. 33604

Tampa/Hillsborough—Continued
(813) 932-8719
Director: William Ray
▶ Closed for rebuilding. Voluntary donation.

Impression Five Science Museum
1400 Keystone
Lansing, Mich. 48910
(517) 882-2437
Director: Marilynne Rosenberg
▶ Tues.-Fri., 9-5; Sat.-Sun., noon-5; closed Mon. Admission fee.

Intermountain Science Experience Center, Inc.
P.O. Box 658
1776 Science Center Drive
Idaho Falls, Idaho 83401
(208) 524-1776
Director: Marvin Miller
▶ Weekdays, 1-4:30; eves., 7-9:30; Sat., 10-5; Sun., 9-5. Admission fee.

International Museum of Surgical Sciences and Hall of Fame
1524 North Lake Shore Drive
Chicago, Ill. 60610
(312) 642-3555
Director and Curator: M. Leopold Brodney
▶ Daily, 10-4; closed Mon. Free.

International Space Hall of Fame
P.O. Box 533
Alamogordo, N.M. 88310
(505)437-5770
Executive Director: Nolan B. Conner
▶ Daily, 8-6 in summer, 8-5 in winter. Admission fee.

Junior League of El Paso, Inc.
520 Thunderbird Drive
El Paso, Tex. 79912
(915) 584-3511
Project Co-chairman/EXPO: Mrs. L.P. Crum
▶ Not yet open.

Junior Service League of South Brevard
506 Eleuthera Lane
Indian Harbour Beach, Fla. 32937
Director: Jane. G. Madry
▶ Not yet open.

Kansas City Museum of History and Science
3218 Gladstone Boulevard
Kansas City, Mo. 64123
(816) 483-8300
Director : Gregg F. Stock
▶ Mon.-Sat., 9-5; Sun., 12-5. Free.

Kansas Health Museum
309 Main Street
Halstead, Kan. 67056
(316) 835-2662
Director: Maxwell E. Sloop
▶ Mon.-Fri., 10-4; Sun., 1-5. Admission fee.

Kittery Historical and Naval Museum
P.O. Box 453—Rogers Road
Kittery, Me. 03904
(207)439-3080
President: John F. Hallett
▶ Tues.-Sat., 1-5. Free.

Lakeview Museum of Arts and Sciences
1125 West Lake Avenue
Peoria, Ill. 61614
(309) 686-7000
Director: John Peterson
▶ Tues.-Sat., 9-5; Sun., 1-5. Free.

Louisiana Nature Center
4100 One Shell Square
New Orleans, La. 70139
(504) 588-2474
Executive Director: Robert A. Thomas
▶ Not yet fully open; hours variable. Admission fee.

Mayo Medical Museum
Mayo Clinic
200 First Street S.W.
Rochester, Minn. 55901
(507) 284-3280
Director: Dale V. Shaffer
▶ Mon.-Fri., 9-9; Sat.,9-5; Sun., 1-5. Free.

Metropolitan Science Center
The Pavilion
City Park Lake
Denver, Colo. 80205
(303) 399-3990 or 3991
General Manager: William H. Mackintosh
▶ Wed.-Sun., 1-5; closed Mon.-Tues. Donation requested at door.

Michigan Space Center
2111 Emmons Road
Jackson, Mich. 49203
(517) 787-4425
Director: Charles Gass
▶ Mon.-Fri., 8-5; Sat.,-Sun., 11-5. Admission fee.

Milwaukee Public Museum
800 West Wells Street
Milwaukee, Wis. 53233
(414) 278-2700
Director: Kenneth Starr
▶ Daily 9-5. Admission fee; members free.

Musee Historique de l'electricite Inc.
440 Chemin de Chambly
C.P. 61 Succursale "A"
Longuevil P. Q. J4H 3W2
(514) 677-5733
Director: Raymond LaBadie
▶ Tues.-Fri., 10-5; Sat. & Sun., 11-5. Admission fee.

Museum of Arts, Sciences, and Industry
4450 Park Avenue
Bridgeport, Conn. 06604
(203) 37203521
Director: Christine Stiassni
▶ Daily, 2-5; closed Mon. Admission fee.

Museum of Medical Science
P.O. Box 88087
5800 Caroline
Houston, Tex. 77004
(713) 529-3766
President: Herbert C. Allen, Jr.
▶ Tues.-Sat., 9-4:45; Sun.-Mon., 12-4:45. Free.

Museum of Natural History and Science
727 West Main Street
Louisville, Ky. 40202
(502) 587-3138
Executive Director: Lawrence E. Brown
▶ Mon.-Thurs., 9-5; Fri. 9-10; Sat. 9-5; Sun. 1-5. Admission fee.

Museum of Science and Natural History
Oak Knoll Park
St. Louis, Missouri 63105
(314) 726-2888
Executive Director: Donn P. Brazier
▶ Mon.-Sat. 9-5; Sun. 1-5 (closed Mondays Nov.-March). Free.

Museum of Science and Space Transit Planetarium
3280 South Miami Ave.
Miami, Fla. 33129
(305) 854-4242
Executive Director: David Frantz
▶ Mon.-Wed., 9-5; Tues.-Sat., 9-5, 7-10; Sun., 12-10. Free.

NASA Lewis Research Center
Visitor Information Center
21000 Brookpark Road
Cleveland, Ohio 44135
(216) 433-4000
Manager: Richard C. Athey
▶ Mon.-Fri., 9-4; Sat., 10-3. Free.

National Atomic Museum
P.O. Box 5400
Albuquerque, N. M. 87115

National Atomic Museum—Continued
(505) 264-4223 or 8443
Director: Carrol V. Canfield
▶ Daily, 9-5. Free.

Nature/Science Park
Museum Drive
Winston-Salem, N. C. 27105
(919) 767-6730
Director: Robert Wolk
▶ Mon.-Sat., 9-5; Sun., 1-5. Free.

North Carolina Museum of Life and Science
433 Murray Avenue
P.O. Box 8177
Durham, N. C. 27704
(919) 477-0431
Director: Richard Wescott
▶ Tues.-Sat., 10-5; Sun., 2-5. Admission fee.

North Shore Science Museum
1526 North Plandome Road
Plandome Manor, N. Y. 11030
(516) 627-9400
Director: Mildred Freed
▶ Classes must be scheduled Mon.-Fri., 9-5; Open to public Sun., 1-4. Free.

The Oakland Museum
1000 Oak Street
Oakland, Cal. 94607
(415) 273-3401
Director, Museum Services: John E. Peetz
▶ Tues.-Sat., 10-5; Sun., 12-7. Admission fee only for special exhibits.

OMNIPLEX
2100 N.E. 52nd Street
Oklahoma City, Okla. 73111
(405) 424-5561
Director: William Sudduth
▶ Mon.-Sat., 10-5; Sun., 12-5. Admission fee.

Peninsula Nature and Science Center, Inc.
524 J. Clyde Morris Boulevard
Newport News, Va. 23601
(804) 595-1900
Director: Don Starkey
▶ Mon.-Fri., 10-5; Thur. and Fri. eve, 7-9; Sat.-Sun., 1-5. Admission fee.

Rockford Arts and Science Center
401 South Main Street
Rockford, Ill. 61101
(815) 963-6765
Director: Barbara Foote
▶ Mon.-Fri.,11-4; Sun., 1-4. Free.

San Antonio Museum of Transportation
3801 Broadway
San Antonio, Tex. 78209
(512) 826-0647
Director: Jack McGregor
▶ Daily, 10-6. Admission fee.

Santa Barbara Museum of Natural History
2559 Puesta Del Sol Road
Santa Barbara, Cal. 93105
(805) 682-4711
Director: Dennis M. Power
▶ Mon.-Sat., 9-5; Sun., 1-5; Free.

The Schenectady Museum
Nott Terrace Heights
Schenectady, N. Y. 12308
(518) 382-7890
Director: Bruce B. Eldredge
▶ Tues.-Fri., 10-4:30; Sat.-Sun. 12-5;closed Mon.; Free.

Science Museum and Planetarium of Palm Beach County
1141 West Lakewood Road
West Palm Beach, Fla. 33405
(305) 832-1988
Director: Ralph O. Ewers
▶ Tues.-Sat., 10-5; Tues. & Thurs. eve, 6:30-10; Sun., 1-5. Admission fee.

The Science Museum of Minnesota
30 East 10th Street
St. Paul, Minn. 55101
(612) 221-9488
President: Wendell Mordy
▶ Tues. & Weds., 10-5; Thurs.-Sat.,10-5, 6:30-9; closed Mon. Admission fee.

Science Museum of Virginia
2500 West Broad Avenue
Richmond, Va. 23220
(804) 257-1013
Director: Paul H. Knappenberger, Jr.
▶ Mon.-Thurs., 10-1 (Groups only); Daily 1-4. closed Friday. Admission fee.

Seattle Aquarium
Pier 59
Waterfront Park
Seattle, Wash. 98101
(206) 625-4358
Director: H. Doug Kemper
▶ May 1-Sept. 30—10-9; Oct. 1-April 30—10-5; Tues., open 'til 9; Free.

Space Science Center
De Anza and Foothill Colleges
12345 El Monte Road
Los Altos Hills, Cal. 94022

Space Science Center—Continued
(415) 948-8590
Director: Thomas M. Gates
▶ Mon.-Fri., 9-4:30; Sat. & Sun., 1-4:30. Admission fee.

Springfield Science Museum
236 State Street
Springfield, Mass. 01103
(413) 732-4317
Director: Glen P. Ives
▶ Tues.-Sun., 12-5. Admission fee.

St. Louis Medical Museum
3829 Lindell Boulevard
St. Louis, Mo. 63108
(314) 371-5225
Director: Hollister S. Smith
▶ Mon.-Sat., 11-4; Sun., 11-4 (Easter through Labor Day); closed all other Sundays. Free.

University of Kansas Systematics Museum
c/o Museum of Natural History
Lawrence, Kan. 66045
(913) 864-4173
Director: Philip S. Humphrey
▶ Mon.-Fri., 8-5; Sun. 1:30-5. Free.

University of Nebraska State Museum
212 Morrill Hall
14th and U Streets
Lincoln, Neb. 68588
(402) 472-3778
Coordinator/Educational Activities: Allan D. Griesemer
▶ Mon.-Sat., 8-5; Sun. & holidays, 1:30-5. Free.

Western Museum of Mining and Industry
P.O. Box 9186
Colorado Springs, Colo. 80908
(303) 495-2182
Director: Peter Malloy
▶ Daily, 9-4; summer weekends, 10-4. Admission fee.

Willamette Science and Technology Center
P.O. Box 1052
Eugene, Ore. 97401
(503) 686-5099
Chairman of Executive Committee: Paul E. Harrison
▶ To be opened in fall of 1979.

John Young Museum and Planetarium
810 East Rollins St.
Orlando, Fla. 32803
(305) 896-7151
Director: Kenneth B. Hobbs
▶ Mon.-Thurs.,9-5; Fri., 9-9; Sat.-Sun., 12-5. Admission fee.

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A Guide to 'Fair Use' Under the New Copyright Law

Following is the text of guidelines developed as a statement of minimum standards for "fair use" of copyrighted materials for educational purposes under the new copyright law. The guidelines were agreed upon by representatives of educational organizations, authors, and publishers, who emphasized that the statement was not intended to limit types of copying that are permitted by the law.

I. Single Copying for Teachers

A single copy may be made of any of the following by or for a teacher at his or her individual request for his or her scholarly research or use in teaching or preparation to teach a class:

A. A chapter from a book;

B. An article from a periodical or newspaper;

C. A short story, short essay or short poem, whether or not from a collective work;

D. A chart, graph, diagram, drawing, cartoon, or picture from a book, periodical, or newspaper;

II. Multiple Copies for Classroom Use

Multiple copies (not to exceed in any event more than one copy per pupil in a course) may be made by or for the teacher giving the course for classroom use or discussion; provided that:

A. The copying meets the tests of brevity and spontaneity as defined below; and,

B. Meets the cumulative effect test as defined below; and,

C. Each copy includes a notice of copyright.

Definitions

Brevity

(i) Poetry: (a) A complete poem if less than 250 words and if printed on not more than two pages or, (b) from a longer poem, an excerpt of not more than 250 words.

(ii) Prose: (a) Either a complete article, story or essay of less than 2,500 words, or (b) an excerpt from any prose work of not more than 1,000 words or 10 per cent of the work, whichever is less, but in any event a minimum of 500 words.

[Each of the numerical limits stated in "i" and "ii" above may be expanded to permit the completion of an unfinished line of a poem or of an unfinished prose paragraph.]

(iii) Illustration: One chart, graph, diagram, drawing, cartoon or picture per book or per periodical issue.

(iv) "Special" works: Certain works in poetry, prose or in "poetic prose" which often combine language with illustrations and which are intended sometimes for children and at other times for a more general audience fall short of 2,500 words in their entirety.

Paragraph "ii" above notwithstanding such "special works" may not be reproduced in their entirety; however, an excerpt comprising not more than two of the published pages of such special work and containing not more than 10 per cent of the words found in the text thereof, may be reproduced.

Spontaneity

(i) The copying is at the instance and inspiration of the individual teacher, and

(ii) The inspiration and decision to use the work and the moment of its use for maximum teaching effectiveness are so close in time that it would be unreasonable to expect a timely reply to a request for permission.

Cumulative Effect

(i) The copying of the material is for only one course in the school in which the copies are made.

(ii) Not more than one short poem, article, story, essay or two excerpts may be copied from the same author, nor more than three from the same collective work or periodical volume during one class term.

(iii) There shall not be more than nine instances of such multiple copying for one course during one class term.

[The limitations stated in "ii" and "iii" above shall not apply to current news periodicals and newspapers and current news sections of other periodicals.]

III. Prohibitions as to I and II Above

Notwithstanding any of the above, the following shall be prohibited:

(A) Copying shall not be used to create or to replace or substitute for anthologies, compilations or collective works. Such replacement or substitution may occur whether copies of various works or excerpts therefrom are accumulated or reproduced and used separately.

(B) There shall be no copying of or from works intended to be "consumable" in the course of study or of teaching. These include workbooks, exercises, standardized tests and test booklets and answer sheets and like consumable material.

(C) Copying shall not:

(a) substitute for the purchase of books, publishers' reprints or periodicals;

(b) be directed by higher authority;

(c) be repeated with respect to the same item by the same teacher from term to term.

(D) No charge shall be made to the student beyond the actual cost of photocopying.

Academic Freedom and Tenure

1940 Statement of Principles and Interpretive Comments

In 1940, following a series of joint conferences begun in 1934, representatives of the American Association of University Professors and of the Association of American Colleges agreed upon a restatement of principles set forth in the 1925 Conference Statement on Academic Freedom and Tenure. This restatement is known to the profession as the 1940 Statement of Principles on Academic Freedom and Tenure.

The 1940 Statement is printed below, followed by Interpretive Comments as developed by representatives of the American Association of University Professors and the Association of American Colleges during 1969.

Since 1940, over 85 national education organizations have officially endorsed the 1940 Statement.

The purpose of this statement is to promote public understanding and support of academic freedom and tenure and agreement upon procedures to assure them in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher[1] or the institution as a whole. The common good depends upon the free search for truth and its free exposition.

Academic freedom is essential to these purposes and applies to both teaching and research. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and of the student to freedom in learning. It carries with it duties correlative with rights. [**1**][2] Tenure is a means to certain ends; specifically: (1) Freedom of teaching and research and of extramural activities and (2) a sufficient degree of economic security to make the profession attractive to men and women of ability. Freedom and economic security, hence, tenure, are indispensable to the success of an institution in fulfilling its obligations to its students and to society.

Academic Freedom

(a) The teacher is entitled to full freedom in research and in the publication of the results, subject to the adequate performance of his other academic duties; but research for pecuniary return should be based upon an understanding with the authorities of the institution.

(b) The teacher is entitled to freedom in the classroom in discussing his subject, but he should be careful not to introduce into his teaching controversial matter which has no relation to his subject. [**2**] Limitations of academic freedom because of religious or other aims of the institution should be clearly stated in writing at the time of the appointment. [**3**]

(c) The college or university teacher is a citizen, a member of a learned profession, and an officer of an educational institution. When he speaks or writes as a citizen, he should be free from institutional censorship or discipline, but his special position in a community imposes special obligations. As a man of learning and an educational officer, he should remember that the public may judge his profession and his institution by his utterances. Hence he should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that he is not an institutional spokesman. [**4**]

Academic Tenure

(a) After the expiration of a probationary period, teachers or investigators should have permanent or continuous tenure, and their service should be terminated only for adequate cause, except in the case of retirement for age, or under extraordinary circumstance because of financial exigencies.

In the interpretation of this principle it is understood that the following represents acceptable academic practice:

(1) The precise terms and conditions of every appointment should be stated in writing and be in the possession of both institution and teacher before the appointment is consummated.

(2) Beginning with appointment to the rank of full-time instructor or a higher rank, [**5**] the probationary period should not exceed seven years, including within this period full-time service in all institutions of higher education; but subject to the proviso that when, after a term of probationary service of more than three years in one or more institutions, a teacher is called to another institution it may be agreed in writing that his new appointment is for a probationary period of not more than four years, even though thereby the person's total probationary period in the academic profession is extended beyond the normal maximum of seven years. [**6**] Notice should be given at least one year prior to the expiration of the probationary period if the teacher is not to be continued in service after the expiration of that period. [**7**]

(3) During the probationary period a teacher should have the academic freedom that all other members of the faculty have. [**8**]

(4) Termination for cause of a continuous appointment, or the dismissal for cause of a teacher previous to the expiration of a term appointment, should, if possible, be considered by both a faculty committee and the governing board of the institution. In all cases where the facts are in dispute, the accused teacher should be informed before the hearing in writing of the charges against him and should have the opportunity to be heard in his own defense by all bodies that pass judgment upon his case. He should be permitted to have with him an adviser of his own choosing who may act as counsel.

There should be a full stenographic record of the hearing available to the parties concerned.

In the hearing of charges of incompetence the testimony should include that of teachers and other scholars, either from his own or from other institutions.

Teachers on continuous appointment who are dismissed for reasons not involving moral turpitude should receive their salaries for at least a year from the date of notification of dismissal whether or not they are continued in their duties at the institution. [**9**]

(5) Termination of a continuous appoint-

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[1] The word "teacher" as used in this document is understood to include the investigator who is attached to an academic institution without teaching duties.

[2] Bold-face numbers in brackets refer to Interpretive Comments which follow.

ment because of financial exigency should be demonstrably bona fide.

1940 Interpretations

At the conference of representatives of the American Association of University Professors and of the Association of American Colleges on November 7-8, 1940, the following interpretations of the 1940 *Statement of Principles on Academic Freedom and Tenure* were agreed upon:

1. That its operation should not be retroactive.
2. That all tenure claims of teachers appointed prior to the endorsement should be determined in accordance with the principles set forth in the 1925 Conference Statement on Academic Freedom and Tenure.
3. If the administration of a college or university feels that a teacher has not observed the admonitions of Paragraph (c) of the section on *Academic Freedom* and believes that the extramural utterances of the teacher have been such as to raise grave doubts concerning his fitness for his position, it may proceed to file charges under Paragraph (a) (4) of the section on *Academic Tenure*. In pressing such charges the administration should remember that teachers are citizens and should be accorded the freedom of citizens. In such cases the administration must assume full responsibility and the American Association of University Professors and the Association of American Colleges are free to make an investigation.

1970 Interpretive Comments

Following extensive discussions on the 1940 Statement of Principles on Academic Freedom and Tenure *with leading educational associations and with individual faculty members and administrators, a Joint Committee of the AAUP and the Association of American Colleges met during 1969 to reevaluate this key policy statement. On the basis of the comments received, and the discussions that ensued, the Joint Committee felt the preferable approach was to formulate interpretations of the Statement in terms of the experience gained in implementing and applying the Statement for over thirty years and of adapting it to current needs.*

The Committee submitted to the two Associations for their consideration the following "Interpretive Comments." These interpretations were approved by the Council of the American Association of University Professors in April, 1970, and endorsed by the Fifty-sixth Annual Meeting as Association policy.

In the thirty years since their promulgation, the principles of the 1940 *Statement of Principles on Academic Freedom and Tenure* have undergone a substantial amount of refinement. This has evolved through a variety of processes, including customary acceptance, understandings mutually arrived at between institutions and professors or their representatives, investigations and reports by the American Association of University Professors, and formulations of statements by that Association either alone or in conjunction with the Association of American Colleges. These comments represent the attempt of the two associations, as the original sponsors of the 1940 Statement, to formulate the most important of these refinements. Their incorporation here as Interpretive Comments is based upon the premise that the 1940 Statement is not a static code but a fundamental document designed to set a framework of norms to guide adaptations to changing times and circumstances.

Also, there have been relevant developments in the law itself reflecting a growing insistence by the courts on due process within the academic community which parallels the essential concepts of the 1940 Statement; particularly relevant is the identification by the Supreme Court of academic freedom as a right protected by the First Amendment. As the Supreme Court said in *Keyishian v. Board of Regents* 385 U. S. 589 (1967), "Our Nation is deeply committed to safeguarding academic freedom, which is of transcendent value to all of us and not merely to the teachers concerned. That freedom is therefore a special concern of the First Amendment, which does not tolerate laws that cast a pall of orthodoxy over the classroom."

The numbers refer to the designated portion of the 1940 Statement on which interpretive comment is made.

1. The Association of American Colleges and the American Association of University Professors have long recognized that membership in the academic profession carries with it special responsibilities. Both Associations either separately or jointly have consistently affirmed these responsibilities in major policy statements, providing guidance to the professor in his utterances as a citizen, in the exercise of his responsibilities to the institution and students, and in his conduct when resigning from his institution or when undertaking government-sponsored research. Of particular relevance is the *Statement on Professional Ethics*, adopted by the Fifty-second Annual Meeting of the AAUP as Association Policy and published in the *AAUP Bulletin* (Autumn, 1966, pp.290-91).

2. The intent of this statement is not to discourage what is "controversial." Controversy is at the heart of the free academic inquiry which the entire statement is designed to foster. The passage serves to underscore the need for the teacher to avoid persistently intruding material that has no relation to his subject.

3. Most church-related institutions no longer need or desire the departure from the principle of academic freedom implied in the 1940 Statement, and we do not now endorse such a departure.

4. This paragraph is the subject of an Interpretation adopted by the sponsors of the 1940 Statement immediately following its endorsement which reads as follows:

> If the administration of a college or university feels that a teacher has not observed the admonitions of Paragraph (c) of the section on Academic Freedom and believes that the extramural utterances of the teacher have been such as to raise grave doubts concerning his fitness for his position, it may proceed to file charges under Paragraph (a) (4) of the section on Academic Tenure. In pressing such charges the administration should remember that teachers are citizens and should be accorded the freedom of citizens. In such cases the administration must assume full responsibility and the American Association of University Professors and the Association of American Colleges are free to make an investigation.

Paragraph (c) of the 1940 Statement should also be interpreted in keeping with the 1964 "Committee A Statement on Extramural Utterances" (*AAUP Bulletin*, Spring, 1965, p.29) which states inter alia: "The controlling principle is that a faculty member's expression of opinion as a citizen cannot constitute grounds for dismissal unless it clearly demonstrates the faculty member's unfitness for his position. Extramural utterances rarely bear upon the faculty member's fitness for his position. Moreover, a final decision should take into account the faculty member's entire record as a teacher and scholar."

Paragraph V of the *Statement on Professional Ethics* also deals with the nature of the "special obligations" of the teacher. The paragraph reads as follows:

> As a member of his community, the professor has the rights and obligations of any citizen. He measures the urgency of these obligations in the light of his responsibilities to his subject, to his students, to his profession, and to his institution. When he speaks or acts as a private person he avoids creating the impression that he speaks or acts for his college or university. As a citizen engaged in a profession that depends upon freedom for its health and integrity, the professor has a particular obligation to promote conditions of free inquiry and to further public understanding of academic freedom.

Both the protection of academic freedom and the requirements of academic responsibility apply not only to the full-time probationary as well as to the tenured teacher, but also to all others, such as part-time and teaching assistants, who exercise teaching responsibilities.

5. The concept of "rank of full-time instructor or a higher rank" is intended to include any person who teaches a full-time load regardless of his specific title.[3]

6. In calling for an agreement "in writing" on the amount of credit for a faculty member's prior service at other institutions, the Statement furthers the general policy of full understanding by the professor of the terms and conditions of his appointment. It does not necessarily follow that a professor's tenure rights have been violated because of the absence of a written agreement on this matter.

Nonetheless, especially because of the variation in permissible institutional practices, a written understanding concerning these matters at the time of appointment is particularly appropriate and advantageous to both the individual and the institution.

7. The effect of this subparagraph is that a decision on tenure, favorable or unfavorable, must be made at least twelve months prior to the completion of the probationary period. If the decision is negative, the appointment for the following year becomes a terminal one. If the decision is affirmative, the provisions in the 1940 Statement with respect to the termination of services of teachers or investigators after the expiration of a probationary period should apply from the date when the favorable decision is made. The general principle of notice contained in this paragraph is developed with greater specificity in the *Standards for Notice of Nonreappointment*, endorsed by the Fiftieth Annual Meeting of the American Association of University Professors (1964). These standards are:

Notice of nonreappointment, or of intention not to recommend reappointment to the governing board, should be given in writing in accordance with the following standards:

> (1) *Not later than March 1 of the first academic year of service*, if the appointment expires at the end of that year; or, if a one-year appointment terminates during an academic year, at least three months in advance of its termination.
>
> (2) *Not later than December 15 of the second academic year of service*, if the appointment expires at the end of that year; or, if an initial two-year appointment terminates during an academic year, at least six months in advance of its termination.
>
> (3) At least twelve months before the expiration of an appointment after two or more years in the institution.

Other obligations, both of institutions and individuals, are described in the *Statement on Recruitment and Resignation of Faculty Members*, as endorsed by the Association of American Colleges and the American Association of University Professors in 1961.

8. The freedom of probationary teachers is enhanced by the establishment of a regular procedure for the periodic evaluation and assessment of the teacher's academic performance during his probationary status. Provision should be made for regularized procedures for the consideration of complaints by probationary teachers that their academic freedom has been violated. One suggested procedure to serve these purposes is contained in the *Recommended Institutional Regulations on Academic Freedom and Tenure*, prepared by the American Association of University Professors.

9. A further specification of the academic due process to which the teacher is entitled under this paragraph is contained in the *Statement on Procedural Standards in Faculty Dismissal Proceedings*, jointly approved by the American Association of University Professors and the Association of American Colleges in 1958.

This interpretive document deals with the issue of suspension, about which the 1940 Statement is silent.

The 1958 Statement provides: "Suspension of the faculty member during the proceedings involving him is justified only if immediate harm to himself or others is threatened by his continuance. Unless legal considerations forbid, any such suspension should be with pay."

A suspension which is not followed by either reinstatement or the opportunity for a hearing is in effect a summary dismissal in violation of academic due process.

The concept of "moral turpitude" identifies the exceptional case in which the professor may be denied a year's teaching or pay in whole or in part.

The statement applies to that kind of behavior which goes beyond simply warranting discharge and is so utterly blameworthy as to make it inappropriate to require the offering of a year's teaching or pay.

The standard is not that the moral sensibilities of persons in the particular community have been affronted.

The standard is behavior that would evoke condemnation by the academic community generally.

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[3] For a discussion of this question, see the "Report of the Special Committee on Academic Personnel Ineligible for Tenure," *AAUP Bulletin*, Autumn, 1966, pp. 280-282.

1976 Recommended Institutional Regulations on Academic Freedom and Tenure

Recommended Institutional Regulations on Academic Freedom and Tenure *set forth, in language suitable for use by an institution of higher education, rules which derive from the chief provisions and interpretations of the 1940* Statement of Principles on Academic Freedom and Tenure *and of the 1958* Statement on Procedural Standards in Faculty Dismissal Proceedings. *The* Recommended Institutional Regulations *were first formulated by Committee A on Academic Freedom and Tenure [of the American Association of University Professors] in 1957. A revised and expanded text, approved by Committee A in 1968, reflected the development of Association standards and procedures as set forth in the 1961* Statement on Recruitment and Resignation of Faculty Members, *the 1964* Statement on the Standards for Notice of Nonreappointment, *and the 1966* Statement on Government of Colleges and Universities.

The current revision, approved by Committee A in 1972, is based upon the Association's continuing experience in evaluating regulations actually in force at particular institutions. The 1972 revision is also based upon further definition of the standards and procedures of the Association as set forth in the 1970 Interpretive Comments *of the 1940* Statement of Principles, *the 1971 Council* Statement on Freedom and Responsibility, *the 1971* Statement on Procedural Standards in the Renewal or Nonrenewal of Faculty Appointments, *the 1972* Statement of Principles on Leaves of Absence, *and recommended procedure adopted by the Council [of the A.A.U.P.] in 1976 on* Termination of Faculty Appointments because of Financial Exigency, Discontinuance of a Program or Department, or Medical Reasons.

Foreword

These regulations are designed to enable the [named institution] to protect academic freedom and tenure and the requirements of academic due process. The principles implicit in these regulations are for the benefit of all who are involved with or are affected by the policies and programs of the institution. A college or university is a marketplace of ideas, and it cannot fulfill its purposes of transmitting, evaluating, and extending knowledge if it requires conformity with any orthodoxy of content and method. In the words of the United States Supreme Court, "Teachers and students must always remain free to inquire, to study and to evaluate, to gain new maturity and understanding; otherwise our civilization will stagnate and die."

1. *Statement of Terms of Appointment*

(a) The terms and conditions of every appointment to the faculty will be stated or confirmed in writing, and a copy of the appointment document will be supplied to the faculty member. Any subsequent extensions or modifications of an appointment, and any special understandings, or any notices incumbent upon either party to provide, will be stated or confirmed in writing and a copy will be given to the faculty member.

(b) With the exception of special appointments clearly limited to a brief association with the institution, and reappointments of retired faculty members on special conditions, all full-time appointments to the rank of instructor or higher are of two kinds: (1) probationary appointments; (2) appointments with continuous tenure.

(c) Except for faculty members who have tenure status, every person with a teaching or research appointment of any kind will be informed each year in writing of his appointment and of all matters relative to his eligibility for the acquisition of tenure.

2. *Probationary Appointments*

(a) Probationary appointments may be for one year, or for other stated periods, subject to renewal. The total period of full-time service prior to the acquisition of continuous tenure will not exceed ___ years,[1] including all previous full-time service with the rank of instructor or higher in other institutions of higher learning. [*except* that the probationary period may extend to as much as four years, even if the total full-time service in the profession thereby exceeds seven years; the terms of such extension will be stated in writing at the time of initial appointment.][2] Scholarly leave of absence for one year or less will count as part of the probationary period as if it were prior service at another institution, unless the individual and the institution agree in writing to an exception to this provision at the time the leave is granted.

(b) The faculty member will be advised, at the time of initial appointment, of the substantive standards and procedures generally employed in decisions affecting renewal and tenure. Any special standards adopted by the faculty member's department or school will also be brought to his attention. The faculty member will be advised of the time when decisions affecting renewal or tenure are ordinarily made, and will be given the opportunity to submit material which he believes will be helpful to an adequate consideration of his circumstances.

(c) Regardless of the stated term or other provisions of any appointments, written notice that a probationary appointment is not to be renewed will be given to the faculty member in advance of the expiration of his appointment, as follows:

(1) Not later than March 1 of the first academic year of service if the appointment expires at the end of that year; or, if a one-year appointment terminates during an academic year, at least three months in advance of its termination; (2) not later than December 15 of the second academic year of service if the appointment expires at the end of that year; or, if an initial two-year appointment terminates during an academic year, at least six months in advance of its termination; 3) at least twelve months before the expiration of an ap-

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[1] [Under the 1940 *Statement of Principles on Academic Freedom and Tenure*, this period may not exceed seven years.]

[2] [The exception here noted applies only to an institution whose maximum probationary period exceeds four years.]

pointment after two or more years of service at the institution. The institution will normally notify faculty members of the terms and conditions of their renewals by March 15, but in no case will such information be given later than ______.[3]

(d) When a faculty recommendation or a decision not to renew an appointment has first been reached, the faculty member involved will be informed of that recommendation or decision in writing by the body or individual making the initial recommendation or decision, and, if he so requests, he will be advised of the reasons which contributed to that decision. The faculty member may request a reconsideration by the recommending or deciding body.

(e) If the faculty member so requests, the reasons given in explanation of the nonrenewal will be confirmed in writing.

(f) Insofar as the faculty member alleges that the decision against renewal by the appropriate faculty body was based on inadequate consideration, the committee which reviews the faculty member's allegation will determine whether the decision was the result of adequate consideration in terms of the relevant standards of the institution. The review committee will not substitute its judgment on the merits for that of the faculty body. If the review committee believes that adequate consideration was not given to the faculty member's qualifications, it will request reconsideration by the faculty body, indicating the respects in which it believes the consideration may have been inadequate. It will provide copies of its findings to the faculty member, the faculty body, and the president or other appropriate administrative officer.

3. *Termination of Appointment by the Faculty Member*

A faculty member may terminate his appointment effective at the end of an academic year, provided that he gives notice in writing at the earliest possible opportunity, but not later than May 15, or 30 days after receiving notification of the terms of his appointment for the coming year, whichever date occurs later. The faculty member may properly request a waiver of this requirement of notice in case of hardship or in a situation where he would otherwise be denied substantial professional advancement or other opportunity.

4. *Termination of Appointments by the Institution*

(a) Termination of an appointment with continuous tenure, or of a special or probationary appointment before the end of the specified term, may be effected by the institution only for adequate cause.

(b) If termination takes the form of a dismissal for cause, it will be pursuant to the procedure specified in Regulation 5.

Financial Exigency

(c) (1) Termination of an appointment with continuous tenure, or of a probationary or special appointment before the end of the specified term, may occur under extraordinary circumstances because of a demonstrably *bona fide* financial exigency, i.e., an imminent financial crisis which threatens the survival of the institution as a whole and which cannot be alleviated by less drastic means.

[NOTE: Each institution in adopting regulations on financial exigency will need to decide how to share and allocate the hard judgments and decisions that are necessary in such a crisis.

As a first step, there should be a faculty body which participates in the decision that a condition of financial exigency exists or is imminent,[4] and that all feasible alternatives to termination of appointments have been pursued.

Judgments determining where within the overall academic program termination of appointments may occur involve considerations of educational policy, including affirmative action, as well as of faculty status, and should therefore be the primary responsibility of the faculty or of an appropriate faculty body.[5] The faculty or an appropriate faculty body should also exercise primary responsibility in determining the criteria for identifying the individuals whose appointments are to be terminated. These criteria may appropriately include considerations of age and length of service.

The responsibility for identifying individuals whose appointments are to be terminated should be committed to a person or group designated or approved by the faculty. The allocation of this responsibility may vary according to the size and character of the institution, the extent of the terminations to be made, or other considerations of fairness in judgment. The case of a faculty member given notice of proposed termination of appointment will be governed by the following procedure.]

(2) If the administration issues notice to a particular faculty member of an intention to terminate the appointment because of financial exigency, the faculty member will have the right to a full hearing before a faculty committee. The hearing need not conform in all respects with a proceeding conducted pursuant to Regulation 5, but the essentials of an on-the-record adjudicative hearing will be observed. The issues in this hearing may include:

(i) The existence and extent of the condition of financial exigency. The burden will rest on the administration to prove the existence and extent of the condition. The findings of a faculty committee in a previous proceeding involving the same issue may be introduced.

(ii) The validity of the educational judgments and the criteria for identification for termination; but the recommendations of a faculty body on these matters will be considered presumptively valid.

(iii) Whether the criteria are being properly applied in the individual case.

(3) If the institution, because of financial exigency, terminates appointments, it will not at the same time make new appointments except in extraordinary circumstances where a serious distortion in the academic program would otherwise result. The appointment of a faculty member with tenure will not be terminated in favor of retaining a faculty member without tenure, except in extraordinary circumstances where a serious distortion of the academic program would otherwise result.

(4) Before terminating an appointment because of financial exigency, the institution, with faculty participation, will make every effort to place the faculty member concerned in another suitable position within the institution.

(5) In all cases of termination of appointment because of financial exigency, the faculty

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[3] [April 15 is the recommended date.]

[4] See "The Role of the Faculty in Budgetary and Salary Matters," (*AAUP Bulletin*, 58 [Summer, 1972], pp. 170-72)

[5] See "Statement on Government of Colleges and Universities" (*AAUP Bulletin*, 52 [Winter, 1966], pp. 375-79)

member concerned will be given notice or severance salary not less than as prescribed in Regulation 8.

(6) In all cases of termination of appointment because of financial exigency, the place of the faculty member concerned will not be filled by a replacement within a period of three years, unless the released faculty member has been offered reinstatement and a reasonable time in which to accept or decline it.

Discontinuance of Program or Department Not Mandated by Financial Exigency[6]

(d) Termination of an appointment with continuous tenure, or of a probationary or specified appointment before the end of the specified term, may occur as a result of *bona fide* formal discontinuance of a program or department of instruction. The following standards and procedures will apply.

(1) The decision to discontinue formally a program or department of instruction will be based essentially upon educational considerations, as determined primarily by the faculty as a whole or an appropriate committee thereof.

[NOTE: "Educational considerations" do not include cyclical or temporary variations in enrollment. They must reflect long-range judgments that the educational mission of the institution as a whole will be enhanced by the discontinuance.]

(2) Before the administration issues notice to a faculty member of its intention to terminate an appointment because of formal discontinuance of a program or department of instruction, the institution will make every effort to place the faculty member concerned in another suitable position. If placement in another position would be facilitated by a reasonable period of training, financial and other support for such training will be proffered. If no position is available within the institution, with or without retraining, the faculty member's appointment then may be terminated, but only with provision for severance salary equitably adjusted to the faculty member's length of past and potential service.

[NOTE: When an institution proposes to discontinue a program or department of instruction, it should plan to bear the costs of relocating, training, or otherwise compensating faculty members adversely affected.]

(3) A faculty member may appeal a proposed relocation or termination resulting from a discontinuance and has a right to a full hearing before a faculty committee. The hearing need not conform in all respects with a proceeding conducted pursuant to Regulation 5 but the essentials of an on-the-record adjudicative hearing will be observed. The issues in such a hearing may include the institution's failure to satisfy any of the conditions specified in this section. In such a hearing a faculty determination that a program or department is to be discontinued will be considered presumptively valid, but the burden of proof on other issues will rest on the administration.

Termination for Medical Reasons

(e) Termination of an appointment with tenure, or of a probationary or special appointment before the end of the period of appointment, for medical reasons, will be based upon clear and convincing medical evidence that the faculty member cannot continue to fulfill the terms and conditions of the appointment. The decision to terminate will be reached only after there has been appropriate consultation and after the faculty member concerned, or someone representing the faculty member, has been informed of the basis of the proposed action and has been afforded an opportunity to present the faculty member's position and to respond to the evidence. If the faculty member so requests, the evidence will be reviewed by the Faculty Committee on Academic Freedom and Tenure [or whatever title it may have] before a final decision is made by the governing board on the recommendation of the administration. The faculty member will be given severance salary not less than as prescribed in Regulation 8.

Review

(f) In cases of termination of appointment, the governing board will be available for ultimate review.

5. *Dismissal Procedures*

(a) Adequate cause for a dismissal will be related, directly and substantially, to the fitness of the faculty member in his professional capacity as a teacher or researcher. Dismissal will not be used to restrain faculty members in their exercise of academic freedom or other rights of American citizens.

(b) Dismissal of a faculty member with continuous tenure, or with a special or probationary appointment before the end of the specified term, will be preceded by: (1) discussions between the faculty member and appropriate administratve officers looking toward a mutual settlement; (2) informal inquiry by the duly elected faculty committee [insert name of committee] which may, failing to effect an adjustment, determine whether in its opinion dismissal proceedings should be undertaken, without its opinion being binding upon the President; (3) a statement of charges, framed with reasonable particularity by the President or the President's delegate.

(c) A dismissal, as defined in Regulation 5(a), will be preceded by a statement of reasons, and the individual concerned will have the right to be heard initially by the elected faculty hearing committee [insert name of committee].[7] Members deeming themselves disqualified for bias or interest shall remove themselves from the case, either at the request of a party or on their own initiative. Each party will have a maximum of two challenges without stated cause.[8]

(1) Pending a final decision by the hearing committee, the faculty member will be suspended, or assigned to other duties in lieu of suspension, only if immediate harm to himself or others is threatened by his continuance. Before suspending a faculty member, pending an ultimate determination of his status through the institution's hearing procedures, the administration will consult with the Faculty Committee on Academic Freedom and Tenure [or whatever other title it may have] concerning the propriety, the length, and the other conditions of the suspension. A suspension which is intended to be final is a dismissal, and will be treated as such. Salary will continue during the period of the suspension.

(2) The hearing committee may, with the consent of the parties concerned, hold joint

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[6] When discontinuace of a program or department is mandated by financial exigency of the institution, the standards of section 4(c) above will apply.

[7] [This committee should not be the same as the committee referred to in Regulation 5(b) (2).]

[8] [Regulations of the institution should provide for alternates, or for some other method of filling vacancies on the hearing committee resulting from disqualification, challenge without stated cause, illness, resignation, or any other reason.]

prehearing meetings with the parties in order to (i) simplify the issues, (ii) effect stipulations of facts, (iii) provide for the exchange of documentary or other information, and (iv) achieve such other appropriate pre-hearing objectives as will make the hearing fair, effective, and expeditious.

(3) Service of notice of hearing with specific charges in writing will be made at least twenty days prior to the hearing. The faculty member may waive a hearing or may respond to the charges in writing at any time before the hearing. If the faculty member waives a hearing, but denies the charges against him or asserts that the charges do not support a finding of adequate cause, the hearing tribunal will evaluate all available evidence and rest its recommendation upon the evidence in the record.

(4) The committee, in consultation with the President and the faculty member, will exercise its judgment as to whether the hearing should be public or private.

(5) During the proceedings the faculty member will be permitted to have an academic advisor and counsel of his own choice.

(6) At the request of either party or the hearing committee, a representative of a responsible educational association shall be permitted to attend the proceedings as an observer.

(7) A verbatim record of the hearing or hearings will be taken and a typewritten copy will be made available to the faculty member without cost, at the faculty member's request.

(8) The burden of proof that adequate cause exists rests with the institution and shall be satisfied only by clear and convincing evidence in the record considered as a whole.

(9) The hearing committee will grant adjournments to enable either party to investigate evidence as to which a valid claim of surprise is made.

(10) The faculty member will be afforded an opportunity to obtain necessary witnesses and documentary or other evidence. The administration will cooperate with the hearing committee in securing witnesses and making available documentary and other evidence.

(11) The faculty member and the administration will have the right to confront and cross-examine all witnesses. Where the witnesses cannot or will not appear, but the committee determines that the interests of justice require admission of their statements, the committee will identify the witnesses, disclose their statements, and if possible provide for interrogatories.

(12) In the hearing of charges of incompetence, the testimony shall include that of qualified faculty members from this or other institutions of higher education.

(13) The hearing committee will not be bound by strict rules of legal evidence, and may admit any evidence which is of probative value in determing the issues involved. Every possible effort will be made to obtain the most reliable evidence available.

(14) The findings of fact and the decision will be based solely on the hearing record.

(15) Except for such simple announcements as may be required, covering the time of the hearing and similar matters, public statements and publicity about the case by either the faculty member or administrative officers will be avoided so far as possible until the proceedings have been completed, including consideration by the governing board of the institution. The President and the faculty member will be notified of the decision in writing and will be given a copy of the record of the hearing.

(16) If the hearing committee concludes that adequate cause for dismissal has not been established by the evidence in the record, it will so report to the President. If the President rejects the report, he will state his reasons for doing so, in writing, to the hearing committee and to the faculty member, and provide an opportunity for response before transmitting the case to the governing board.

If the hearing committee concludes that adequate cause for a dismissal has been established, but that an academic penalty less than dismissal would be more appropriate, it will so recommend, with supporting reasons.

6. *Action by the Governing Board*

If dismissal or other severe sanction is recommended, the President will, on request of the faculty member, transmit to the governing board the record of the case. The governing board's review will be based on the record of the committee hearing, and it will provide opportunity for argument, oral or written or both, by the principals at the hearings or by their representatives. The decision of the hearing committee will either be sustained, or the proceeding returned to the committee with specific objections. The committee will then reconsider, taking into account the stated objections and receiving new evidence if necessary. The governing board will make a final decison only after study of the committee's reconsideration.

7. *Procedures for Imposition of Sanctions Other than Dismissal*

(a) If the administration believes that the conduct of a faculty member, although not constituting adequate cause for dismissal, is sufficiently grave to justify imposition of a severe sanction, such as suspension from service for a stated period, the administration may institute a proceeding to impose such a severe sanction; the procedures outlined in Regulation 5 shall govern such a proceeding.

(b) If the administration believes that the conduct of a faculty member justifies imposition of a minor sanction, such as a reprimand, it shall notify the faculty member of the basis of the proposed sanction and provide him with an opportunity to persuade the administration that the proposed sanction should not be imposed. A faculty member who believes that a major sanction has been incorrectly imposed under this paragraph, or that a minor sanction has been unjustly imposed, may, pursuant to Regulation 15, petition the faculty grievance committee for such action as may be appropriate.

8. *Terminal Salary or Notice*

If the appointment is terminated, the faculty member will receive salary or notice in accordance with the following schedule: at least three months, if the final decision is reached by March 1 (or three months prior to the expiration) of the first year of probationary service; at least six months, if the decision is reached by December 15 of the second year (or after nine months but prior to eighteen months) of probationary service; at least one year, if the decision is reached after eighteen months of probationary service or if the faculty member has tenure. This provision for terminal notice or salary need not apply in the event that there has been a finding that the conduct which justified dismissal involved moral turpitude. On the recommendation of the faculty hearing committee or the President, the governing board, in determining what, if any, payments will be made beyond the effective date of dismissal, may take into account the length and quality of service of the faculty member.

9. *Academic Freedom*

All members of the faculty, whether tenured or not, are entitled to academic freedom as set forth in the 1940 *Statement of Principles on Academic Freedom and Tenure*, formulated by the Association of American Colleges and the American Association of University Professors.

10. *Reappointment of Nontenured Faculty*

If a faculty member on probationary or other nontenured appointment alleges that a decision not to reappoint him was based significantly on considerations violative of (1) academic freedom or (2) governing policies on making appointments without prejudice with respect to race, sex, religion, or national origin, the allegation will be given preliminary consideration by the [insert name of committee], which will seek to settle the matter by informal methods. The allegation shall be accompanied by a statement that the faculty member agrees to the presentation, for the consideration of the faculty committees, of such reasons and evidence as the institution may allege in support of its decision. If the difficulty is unresolved at this stage, and if the committee so recommends, the matter will be heard in the manner set forth in Regulations 5 and 6, except that the faculty member making the complaint is responsible for stating the grounds upon which he bases his allegations, and the burden of proof shall rest upon him. If the faculty member succeeds in establishing a *prima facie* case, it is incumbent upon those who made the decision not to reappoint him to come forward with evidence in support of their decision.

11. *Administrative Personnel*

The foregoing regulations apply to administrative personnel who hold academic rank, but only in their capacity as faculty members. Where an administrator alleges that a consideration violative of academic freedom significantly contributed to a decision to terminate his appointment to an administrative post, or not to reappoint him, he is entitled to the procedures set forth in Regulation 10.

12. *Political Activities of Faculty Members*

Faculty members, as citizens, are free to engage in political activities. Where necessary, leaves of absence may be given for the duration of an election campaign or a term of office, on timely application, and for a reasonable period of time. The terms of such leave of absence shall be set forth in writing, and the leave will not affect unfavorably the tenure status of a faculty member, except that time spent on such leave will not count as probationary service unless otherwise agreed to.[9]

[NOTE. Regulations 13, 14, and 15 are suggested in tentative form, and will require adaptation to the specific structure and operations of the institution; the provisions as recommended here are intended only to indicate the nature of the provisions to be included, and not to offer specific detail.]

13. *Graduate Student Academic Staff*

(a) The terms and conditions of every appointment to a graduate or teaching assistantship will be stated in writing, and a copy of the appointment document will be supplied to the graduate or teaching assistant.

(b) In no case will a graduate or teaching assistant be dismissed without having been provided with a statement of reasons and an opportunity to be heard before a duly constituted committee. (A dismissal is a termination before the end of the period of appointment.)

(c) A graduate or teaching assistant who establishes a *prima facie* case to the satisfaction of a duly constituted committee that a decision not to reappoint him was based significantly on considerations violative of (1) academic freedom or (2) governing policies on making appointments without prejudice with respect to race, sex, religion, or national origin, will be given a statement of reasons by those responsible for the nonreappointment and an opportunity to be heard by the committee.

(d) Graduate or teaching assistants shall have access to the faculty grievance committee, as provided in Regulation 15.

14. *Other Academic Staff*

(a) In no case will a member of the academic staff [10] who is not otherwise protected by the preceding regulations which relate to dismissal proceedings be dismissed without having been provided with a statement of reasons and an opportunity to be heard before a duly constituted committee. (A dismissal is a termination before the end of the period of appointment.)

(b) With respect to the nonreappointment of a member of such academic staff who establishes a *prima facie* case to the satisfaction of a duly constituted committee that a consideration violative of academic freedom significantly contributed to the nonreappointment, he will be given a statement of reasons by those responsible for the nonreappointment and an opportunity to be heard by the committee.

15. *Grievance Procedure*

If any faculty member feels that he has cause for grievance in any matter not covered by the procedures described in the foregoing Regulations, he may petition the elected faculty grievance committee [here name the committee] for redress. The petition shall set forth in detail the nature of the grievance and shall state against whom the grievance is directed. It shall contain any factual or other data which the petitioner deems pertinent to his case. The committee will have the right to decide whether or not the facts merit a detailed investigation. Submission of a petition will not automatically entail investigation or detailed consideration thereof. The committee may seek to bring about a settlement of the issue satisfactory to the parties. If in the opinion of the committee such a settlement is not possible or is not appropriate, the committee will report its findings and recommendations to the petitioner and to the appropriate administrative officer and faculty body, and the petitioner will, at his request, be provided an opportunity to present his case to them. The grievance committee will consist of three [or some other number] elected members of the faculty. No officer of administration shall serve on the committee.

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[9] [See "Statement on Professors and Political Activity," *AAUP Bulletin*, Autumn, 1969, pp. 388-389.]

[10] [Each institution should define with particularity who are members of the academic staff.]

Note on Implementation

The Recommended Institutional Regulations here presented will require for their implementation a number of structural arrangements and agencies. For example, the Regulations will need support by:

(a) channels of communication between all the involved components of the institution, and between them and a concerned faculty member,

(b) definitions of corporate and individual faculty status within the college or university government, and of the role of the faculty in decisions relating to academic freedom and tenure,

(c) appropriate procedures for the creation and operation of faculty committees, with particular regard to the principles of faculty authority and responsibility.

The forms which these supporting elements assume will of course vary from one institution to another. Consequently, no detailed description of the elements is attempted in these Recommended Institutional Regulations. With respect to the principles involved, guidance will be found in the 1966 *Statement on Government of Colleges and Universities*, jointly formulated by the American Council on Education, the Association of Governing Boards of Universities and Colleges, and the American Association of University Professors.

The Constitution of the United States

We, the people of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common Defense, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Article I

Section 1. All legislative Powers herein granted shall be vested in a Congress of the United States, which shall consist of a Senate and House of Representatives.

Section 2. The House of Representatives shall be composed of members chosen every second Year by the People of the several States, and the Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

No person shall be a Representative who shall not have attained to the age of twenty-five Years, and been seven Years a Citizen of the United States, and who shall not, when elected, be an inhabitant of that State in which he shall be chosen.

Representatives and direct Taxes shall be apportioned among the several States which may be included within this Union, according to their respective Numbers, which shall be determined by adding to the whole Number of free Persons, including those bound to Service for a Term of Years, and excluding Indians not taxed, three-fifths of all other Persons. The actual Enumeration shall be made within three Years after the first meeting of the Congress of the United States, and within every subsequent term of ten years, in such manner as they shall by law direct. The Number of representatives shall not exceed one for every thirty Thousand, but each State shall have at Least one Representative; and until such Enumeration shall be made, the State of New Hampshire shall be entitled to chuse three, Massachusetts eight, Rhode-Island and Providence Plantations one, Connecticut five, New-York six, New-Jersey four, Pennsylvania eight, Delaware one, Maryland six, Virginia ten, North Carolina five, South Carolina five, and Georgia three.

When vacancies happen in the Representation from any State, the Executive Authority thereof shall issue Writs of Election to fill such Vacancies.

The House of Representatives shall chuse their Speaker and other Officers; and shall have the sole Power of Impeachment.

Section 3. The Senate of the United States shall be composed of two Senators from each State, chosen by the Legislature thereof for six Years: and each Senator shall have one Vote.

Immediately after they shall be assembled in Consequence of the first Election, they shall be divided as equally as may be into three Classes. The Seats of the Senators of the first Class shall be Vacated at the expiration of the second year, of the second Class at the Expiration of the fourth Year, and of the third Class at the Expiration of the sixth Year, so that one-third may be chosen every second Year; and if Vacancies happen by Resignation, or otherwise, during the recess of the Legislature of any State, the Executive thereof may make temporary Appointments until the next Meeting of the Legislature, which shall then fill such Vacancies.

No Person shall be a Senator who shall not have attained to the Age of thirty Years, and been nine Years a Citizen of the United States, and who shall not, when elected, be an Inhabitant of that State for which he shall be chosen.

The Vice-President of the United States shall be President of the Senate, but shall have no vote, unless they be equally divided.

The Senate shall chuse their other Officers, and also a President pro tempore, in the absence of the Vice-President, or when he shall exercise the office of President of the United States.

The Senate shall have the sole power to try all impeachments. When sitting for that purpose, they shall be on oath or affirmation. When the President of the United States is tried, the Chief Justice shall preside: and no Person shall be convicted without the Concurrence of two thirds of the Members present.

Judgment in Cases of Impeachment shall not extend further than to removal from Office, and disqualification to hold and enjoy any Office of Honor, Trust or Profit under the United States; but the Party convicted shall nevertheless be liable and subject to Indictment, Trial, Judgment and Punishment, according to law.

Section 4. The Times, Places and Manner of holding Elections for Senators and Representatives, shall be prescribed in each State by the Legislature thereof; but the Congress may at any time by Law make or alter such Regulations, except as to the Places of chusing Senators.

The Congress shall assemble at least once in every Year, and such Meeting shall be on the first Monday in December, unless they shall by Law appoint a different day.

Section 5. Each House shall be the Judge of the Elections, Returns and Qualification of its own Members, and a Majority of each shall constitute a Quorum to do Business; but a smaller Number may adjourn from day to day, and may be authorized to compel the Attendance of absent Members, in such Manner, and under such Penalties as each House may provide.

Each House may determine the Rules of its Proceedings, punish its Members for disorderly Behavior, and, with the Concurrence of two thirds, expel a Member.

Each House shall keep a Journal of its Proceedings, and from time to time to publish the same, excepting such Parts as may in their Judgment require Secrecy; and the Yeas and Nays of the Members of either House on any question shall, at the Desire of one fifth of those Present, be entered on the Journal.

Neither House, during the Session of Congress, shall, without the Consent of the other, adjourn for more than three days, nor to any other place than that in which the two Houses shall be sitting.

Section 6. The Senators and Representatives shall receive a Compensation for their Services, to be ascertained by Law, and paid out of the Treasury of the United States. They shall in all Cases, except Treason, Felony and Breach of the Peace, be privileged from Arrest during their Attendance at the Session of their respective Houses, and in going to and returning from the same; and for any Speech or Debate in either House, they shall not be questioned in any other Place.

No Senator or Representative shall, during the Time for which he was elected, be appointed to any civil Office under the Authority of the United States which shall have been created, or the Emoluments whereof shall have been encreased during such time; and no Person holding any Office under the United States, shall be a Member of either House during his Continuance in Office.

Section 7. All Bills for raising Revenue shall originate in the House of Representatives; but the Senate may propose or concur with Amendments as on other Bills.

Every Bill which shall have passed the House of Representatives and the Senate, shall, before it become a Law, be presented to the President of the United States; if he approve he shall sign it, but if not he shall return it, with his Objections to that House in which it shall have originated, who shall enter the Objections at large on their Journal, and proceed to reconsider it. If after such reconsideration two-thirds of that House shall agree to pass the Bill, it shall be sent, together with the Objections, to the other House, by which it shall likewise be reconsidered, and if approved by two-thirds of that House, it shall become a Law. But in all such Cases the Votes of both Houses shall be determined by Yeas and Nays, and the Names of the Persons voting for and against the bill shall be entered on the Journal of each House respectively. If any Bill shall not be returned by the President within ten Days (Sundays excepted) after it shall have been presented to him, the same shall be a Law, in like manner as if he had signed it, unless the Congress by their adjournment prevent its return, in which Case it shall not be a Law.

Every Order, Resolution, or Vote to which the Concurrence of the Senate and House of Representatves may be necessary (except on a question of Adjournment) shall be presented to the President of the United States; and before the Same shall take Effect, shall be approved by him, or, being disapproved by him, shall be repassed by two thirds of the Senate and House of Representatives, according to the Rules and Limitations prescribed in the Case of a Bill.

Section 8. The Congress shall have Power

To lay and collect Taxes, Duties, Imposts and Excises, to pay the Debts and provide for the common Defense and general Welfare of the United States; but all Duties, Imposts and Excises shall be uniform throughout the United States;

To borrow Money on the Credit of the United States;

To regulate Commerce with foreign Nations, and among the several States, and with the Indian Tribes;

To establish an uniform Rule of Naturalization, and uniform Rules on the Subject of Bankruptcies throughout the United States;

To coin Money, regulate the Value thereof, and of foreign Coin, and fix the Standard of Weights and Measures;

To provide for the Punishment of counterfeiting the Securites and Current Coin of the United States;

To establish Post Offices and post Roads;

To promote the Progress of Science and useful Arts, by securing for Limited Times to Authors and Inventors the exclusive Right to their respective Writings and Discoveries;

To constitute Tribunals inferior to the Supreme Court;

To define and punish Piracies and Felonies committed on the high Seas, and Offenses against the Law of Nations;

To declare War, grant Letters of Marque and Reprisal, and make Rules concerning captures on Land and Water;

To raise and support Armies, but no Appropriation of Money to that use shall be for a longer Term than two Years;

To provide and maintain a Navy;

To make Rules for the Government and Regulation of the Land and naval Forces;

To provide for calling forth the Militia to execute the Laws of the Union, suppress Insurrections and repel Invasions;

To provide for organizing, arming and disciplining the Militia, and for governing such part of them as may be employed in the service of the United States, reserving to the States repectively, the Appointment of the Officers and the Authority of training the Militia according to the discipline prescribed by Congress;

To exercise exclusive Legislation in all Cases whatsoever, over such District (not exceeding ten Miles square) as may, by Cession of particular States, and the Acceptance of Congress, become the Seat of the Government of the United States, and to exercise like Authority over all Places purchased by the Consent of the Legislature of the States in which the Same shall be, for the Erection of Forts, Magazines, Arsenal, dock-Yards, and other needful Buildings;—And

To make all Laws which shall be necessary and proper for carrying into Execution the foregoing Powers, and all other Powers vested by this Constitution in the Government of the United States, or in any Department or Officer thereof.

Section 9. The Migration or Importation of such Persons as any of the States now existing shall think proper to admit, shall not be prohibited by the Congress prior to the Year one thousand eight hundred and eight, but a Tax or duty may be imposed on such Importation, not exceeding ten dollars for each Person.

The Privilege of the Writ of Habeas Corpus shall not be suspended, unless when in Cases of Rebellion or Invasion the public Safety may require it.

No Bill of Attainder or ex post facto Law shall be passed.

No Capitation, or other direct Tax shall be laid, unless in Proportion to the Census or Enumeration herein before directed to be taken.

No Tax or Duty shall be laid on Articles exported from any State.

No Preference shall be given by any Regulation of Commerce or Revenue to the Ports of one State over those of another: nor shall Vessels bound to, or from one State, be obliged to enter, clear, or pay Duties in another.

No Money shall be drawn from the Treasury, but in Consequence of Appropriations made by law; and a regular statement and account of the receipts and expenditures of all public money shall be published from time to time.

No Title of Nobility shall be granted by the United States:—And no Person holding any Office of Profit or Trust under them, shall, without the Consent of the Congress, accept of any present, Emolument, Office, or Title, of any kind whatever, from any King, Prince, or foreign State.

Section 10. No State shall enter in into any Treaty, Alliance, or Confederation; grant Letters of Marque and Reprisal; coin Money; emit Bills of Credit; make anything but gold and silver Coin a Tender in Payment of Debts; pass any Bill of Attainder, ex post facto Law, or Law impairing the Obligation of Contracts, or grant any Title of Nobility.

No State shall, without the Consent of the Congress, lay any imposts or Duties on Imports or Exports, except what may be absolutely necessary for executing its inspection Laws; and the net Produce of all Duties and Imposts, laid by any State on Imports or Exports, shall be for the use of the Treasury of the United States; and all such Laws shall be subject to the Revision and Controul of the Congress.

No State shall, without the Consent of Congress, lay any Duty on Tonnage, keep Troops, or Ships of War in time of Peace, enter into any Agreement or Compact with another State, or with a foreign Power, or engage in War, unless actually invaded, or in such imminent Danger as will not admit of delay.

Article II

Section 1. The Executive power shall be vested in a President of the United States of America. He shall hold his Office during the Term of four Years, and, together with the Vice-President, chosen for the same term, be elected, as follows.

Each State shall appoint, in such Manner as the Legislature thereof may direct, a Number of Electors, equal to the whole Number of Senators and Representatives to which the State may be entitled in the Congress: but no Senator or Representative, or Person holding an Office of Trust or Profit under the United States, shall be appointed an Elector.

The electors shall meet in their respective States, and vote by Ballot for two Persons, of whom one at least shall not be an Inhabitant of the same State with themselves. And they shall make a List of all the Persons voted for, and of the number of Votes for each; which List they shall sign and certify, and transmit sealed to the Seat of the Government of the United States, directed to the President of the Senate. The President of the Senate shall, in the Presence of the Senate and House of Representatives, open all the Certificates, and the Votes shall then be counted. The Person having the greatest Number of Votes shall be the President, if such Number be a Majority of the whole Number of Electors appointed; and if there be more than one who have such Majority, and have an equal Number of Votes, then the House of Representatives shall immediately chuse by Ballot one of them for President; and if no Person have a Majority, then from the five highest on the List the said House shall in like manner chuse the President. But in chusing the President, the Votes shall be taken by States, the Representation from each State having one Vote; a Quorum for this Purpose shall consist of a Member or Members from two-thirds of the States, and a Majority of all the States shall be necessary to a Choice. In every Case, after the Choice of the President, the Person having the greatest Number of Votes of the Electors shall be the Vice-President. But if there should remain two or more who have equal Votes, the Senate shall chuse from them by Ballot the Vice-President.

The Congress may determine the Time of chusing the Electors, and the Day on which they shall give their Votes; which Day shall be the same throughout the United States.

No Person except a natural born Citizen, or a Citizen of the United States, at the time of the Adoption of this Constitution, shall be eligible to the office of President; neither shall any Person be eligible to that Office who shall not have attained to the Age of thirty-five Years, and been fourteen Years a Resident within the United States.

In Case of the removal of the President from Office, or of his Death, Resignation, or Inability to discharge the Powers and Duties of the said Office, the same shall devolve on the Vice-President, and the Congress may by Law provide for the Case of Removal, Death, Resignation or Inability, both of the President and Vice-President, declaring what Officer shall then act as President, and such Officer shall act accordingly, until the Disability be removed, or a President be elected.

The President shall, at stated Times, receive for his Services, a Compensation, which shall neither be increased nor diminished during the Period for which he shall have been elected, and he shall not receive within that Period any other Emolument from the United States, or any of them.

Before he enter on the Execution of his Office, he shall take the following Oath or Affirmation:—"I do solemnly swear (or affirm) that I will faithfully execute the Office of President of the United States, and will to the best of my Ability, preserve, protect and defend the Constitution of the United States."

Section 2. The President shall be Commander-in-Chief of the Army and Navy of the United States, and of the militia of the several States, when called into the actual Service of the United States; he may require the Opinion, in Writing, of the Principal Officer in each of the executive Departments, upon any Subject relating to the Duties of their respective Offices, and he shall have Power to grant Reprieves and Pardons for Offenses against the United States, except in cases of Impeachment.

He shall have Power, by and with the Advice and Consent of the Senate, to make treaties, provided two-thirds of the Senators present concur; and he shall nominate, and by and with the Advice and Consent of the Senate, shall appoint Ambassadors, other public Ministers and Consuls, Judges of the Supreme Court, and all other Officers of the United States, whose appointments are not herein otherwise provided for, and which shall be established by Law. But the Congress may by Law vest the Appointment of such inferior Officers, as they think proper, in the President alone, in the courts of law, or in the Heads of Departments.

The President shall have Power to fill up all Vacancies that may happen during the Recess of the Senate, by granting Commissions, which shall expire at the End of their next Session.

Section 3. He shall from time to time give to the Congress Information of the State of the Union, and recommend to their Consideration such Measures as he shall judge necessary and expedient; he may, on extraordinary Occasions, convene both Houses, or either of them, and in Case of Disagreement between them, with Respect to the Time of Adjournment, he may adjourn them to such Time as he shall think proper; he shall receive Ambassadors and other public Ministers; he shall take care that the Laws be faithfully executed, and shall commission all the Officers of the United States.

Section 4. The President, Vice-President and all civil Officers of the United States, shall be removed from Office on Impeachment for, and Conviction of, Treason, Bribery, or other high Crimes and Misdemeanors.

Article III

Section 1. The judicial Power of the United States, shall be vested in one Supreme Court, and in such inferior Courts as the Congress may from time to time ordain and establish. The Judges, both of the Supreme and inferior Courts, shall hold their Offices during good Behaviour, and shall, at stated Times, receive for their Services, a Compensation, which shall not be diminished during their Continuance in Office.

Section 2. The judicial Power shall extend to all Cases, in Law and Equity arising under this Constitution, the Laws of the United States, and Treaties made, or which shall be made, under their Authority;—to all Cases affecting Ambassadors, other public Ministers and Consuls;—to all Cases of Admiralty and maritime Jurisdiction;—to Controversies to which the United States shall be a party;—to Controversies between two or more States, between a State and Citizens of another State, between Citizens of different States, between Citizens of the same State claiming Lands under Grants of different States, and between a State, or the Citizens thereof, and foreign States, Citizens, or Subjects.

In all cases affecting Ambassadors, other public Ministers and Consuls, and those in which a State shall be a Party, the Supreme Court shall have original Jurisdiction. In all the other Cases before mentioned, the Supreme Court shall have appellate Jurisdiction, both as to Law and Fact, with such Exceptions, and under such Regulations as the Congress shall make.

The Trial of all Crimes, except in Cases of Impeachment, shall be by Jury; and such Trial shall be held in the State where the said Crimes shall have been committed; but when not committed within any State, the Trial shall be at such Place or Places as the Congress may by Law have directed.

Section 3. Treason against the United States, shall consist only in levying War against them, or in adhering to their Enemies, giving them Aid and Comfort. No Person shall be convicted of Treason unless on the Testimony of two Witnesses to the same overt Act, or on Confession in open Court.

The Congress shall have Power to declare the Punishment of Treason, but no attainder of Treason shall work Corruption of Blood, or Forfeiture except during the Life of the Person attainted.

Article IV

Section 1. Full Faith and Credit shall be given in each State to the public Acts, Records, and judicial Proceedings of every other State. And the Congress may by general Laws prescribe the Manner in which such Acts, Records and Proceedings shall be proved, and the Effect thereof.

Section 2. The Citizens of each State shall be entitled to all Privileges and Immunities of Citizens in the Several States.

A Person charged in any State with Treason, Felony, or other Crime, who shall flee from Justice, and be found in another State, shall on demand of the Executive Authority of the State from which he fled, be delivered up, to be removed to the State having Jurisdiction of the Crime.

No Person held to Service or Labour in one State, under the Laws thereof, escaping into another, shall, in Consequence of any Law or Regulation therein, be discharged from such Service or Labour, but shall be delivered up on claim of the party to whom such service or labour may be due.

Section 3. New States may be admitted by the Congress into this Union; but no new State shall be formed or erected within the Jurisdiction of any other State; nor any State be formed by the junction of two or more States, or parts of the States, without the Consent of the Legislatures of the States concerned as well as of the Congress.

The Congress shall have Power to dispose of and make all needful Rules and Regulations respecting the Territory or other Property belonging to the United States; and nothing in this Constitution shall be so construed as to Prejudice any Claims of the United States, or of any particular State.

Section 4. The United States shall guarantee to every State in this Union a Republican form of Government, and shall protect each of them against Invasion; and on Application of the Legislature, or of the Executive (when the Legislature cannot be convened) against domestic Violence.

Article V

The Congress, whenever two-thirds of both Houses shall deem it necessary, shall propose the Amendments to the Constitution, or, on the Application of the Legislature of two-thirds of several States, shall call a Convention for proposing Amendments, which, in either Case, shall be valid to all Intents and Purposes, as part of this Constitution, when ratified by the Legislatures of three-fourths of the several States, or by Conventions in three-fourths thereof, as the one or the other mode of ratification may be proposed by the Congress; Provided, that no amendment which may be made prior to the year one thousand eight hundred and eight shall in any Manner affect the first and fourth Clauses in the Ninth Section of the First Article; and that no State, without its Consent, shall be deprived of its equal Suffrage in the Senate.

Article VI

All Debts contracted and Engagements entered into before the Adoption of this Constitution, shall be as valid against the United States under this Constitution as under the Confederation.

This Constitution, and the Laws of the United States which shall be made in Pursuance thereof; and all Treaties made, or which shall be made, under the Authority of the United States, shall be the supreme Law of the Land; and the Judges in every State shall be bound thereby, any Thing in the Constitution or Laws of any State to the Contrary notwithstanding.

The Senators and Representatives before mentioned, and the Members of the several State Legislatures, and all executive and judicial Officers, both of the United States and of the several States, shall be bound by Oath or Affirmation, to support this Constitution; but no religious Test shall ever be required as a Qualification to any Office or public Trust under the United States.

Article VII

The Ratification of the Conventions of nine States, shall be sufficient for the Establishment of this Constitution between the States so ratifying the Same.

DONE in Convention, by the Unanimous Consent of the States present, the Seventeenth day of September, in the Year of our Lord one thousand seven hundred and Eighty seven, and of the Independence of the United States of America the Twelfth. IN WITNESS whereof We have hereunto subscribed our Names.

George Washington, President and deputy from Virginia

New Hampshire—John Langdon, Nicholas Gilman

Masssachusetts—Nathaniel Gorham, Rufus King

Connecticut—Wm. Saml. Johnson, Roger Sherman

New York—Alexander Hamilton

New Jersey—Wil: Livingston, David Brearley, Wm. Paterson, Jona: Dayton

Pennsylvania—B. Franklin, Thomas Mifflin, Robt. Morris, Geo. Clymer, Thos. FitzSimons, Jared Ingersoll, James Wilson, Gouv. Morris

Delaware—Geo: Read, Gunning Bedford Jun,

John Dickinson, Richard Bassett, Jaco: Broom
Maryland—James McHenry,
Daniel of Saint Thomas Jenifer, Danl. Carroll
Virginia—John Blair, James Madison Jr.
North Carolina—Wm. Blount,
Rich'd Dobbs Spaight, Hugh Williamson
South Carolina—J. Rutledge,
Charles Cotesworth Pinckney, Charles Pinckney,
Pierce Butler
Georgia—William Few, Abr. Baldwin
Attest: William Jackson, Secretary

Constitutional Amendments

Amendment [I]

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.

Amendment [II]

A well-regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear Arms, shall not be infringed.

Amendment [III]

No Soldier shall, in time of peace be quartered in any house, without the consent of the Owner, nor in time of war, but in a manner to be prescribed by law.

Amendment [IV]

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Amendment [V]

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury, except in cases arising in the land or naval forces, or in the Militia, when in actual service in time of war or public danger; nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself, nor be deprived of life, liberty, or property, without due process of law; nor shall private property be taken for public use, without just compensation.

Amendment [VI]

In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an impartial jury of the State and district wherein the crime shall have been committed, which district shall have been previously ascertained by law, and to be informed of the nature and cause of the accusation; to be confronted with the witnesses against him; to have compulsory process for obtaining witnesses in his favor, and to have the assistance of counsel for his defense.

Amendment [VII]

In Suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury shall be otherwise reexamined in any Court of the United States, than according to the rules of the common law.

Amendment [VIII]

Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.

Amendment [IX]

The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.

Amendment [X]

The powers not delegated to the United States by the Constitution, nor prohibited by it to the States, are reserved to the States respectively, or to the people.

Amendment [XI]

The Judicial power of the United States shall not be construed to extend to any suit in law or equity, commenced or prosecuted against one of the United States by Citizens of another State, or by Citizens or Subjects of any Foreign State.

Amendment [XII]

The Electors shall meet in their respective States and vote by ballot for President and Vice-President, one of whom, at least, shall not be an inhabitant of the same State with themselves; they shall name in their ballots the person voted for as President, and in distinct ballots the person voted for as Vice-President, and they shall make distinct lists of all persons voted for as President, and of all persons voted for as Vice-President, and of the number of votes for each, which lists they shall sign and certify, and transmit sealed to the seat of the government of the United States, directed to the President of the Senate;—The President of the Senate shall, in the presence of the Senate and the House of Representatives, open all the certificates and the votes shall then be counted;—The person having the greatest number of votes for President, shall be the President, if such number be a majority of the whole number of Electors appointed; and if no person have such majority, then from the persons having the highest numbers not exceeding three on the list of those voted for as President, the House of Representatives shall choose immediately, by ballot, the President. But in choosing the President, the votes shall be taken by States, the representation from each State having one vote; a quorum for this purpose shall consist of a member or members from two-thirds of the States, and a majority of all the States shall be necessary to a choice. And if the House of Representatives shall not choose a President whenever the right of choice shall devolve upon them, before the fourth day of March next following, then the Vice-President shall act as President, as in the case of the death or other constitutional disability of the President.—The person having the greatest number of votes as Vice-President, shall be the Vice-President, if such number be a majority of the whole number of Electors appointed, and if no person have a majority, then from the two highest numbers on the list, the Senate shall choose the Vice-President; a quorom for the purpose shall consist of two-thirds of the whole number of Senators, and a majority of the whole number shall be necessary to a choice. But no person constitutionally ineligible to the office of President shall be eligible to that of Vice-President of the United States.

Amendment [XIII]

Section 1. Neither slavery nor involuntary servitude, except as a punishment for crime whereof the party shall have been duly convicted, shall exist within the United States, or any place subject to their jurisdicton.

Section 2. Congress shall have power to enforce this article by appropriate legislation.

Amendment [XIV]

Section 1. All persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the State wherein they reside. No State shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any State deprive any person of life, liberty, or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws.

Section 2. Representatives shall be apportioned among the several States according to their respective numbers, counting the whole number of persons in each State, excluding Indians not taxed. But when the right to vote at any election for the choice of Electors for President and Vice-President of the United States, Representatives in Congress, the Executive and Judicial officers of a State, or the members of the Legislature thereof, is denied to any of the male inhabitants of such State, being twenty-one years of age, and citizens of the United States, or in any way abridged, except for participation in rebellion, or other crime, the basis of representation therein shall be reduced in the proportion which the number of such male citizens shall bear to the whole number of male citizens twenty-one years of age in such State.

Section 3. No person shall be a Senator or Representative in Congress, or Elector of President and Vice-President, or hold any office, civil or military, under the United States, or under any State, who, having previously taken an oath, as a member of Congress, or as an officer of the United States, or as a member of any State legislature, or as an executive or judicial officer of any State, to support the Constitution of the United States, shall have engaged in insurrection or rebellion against the same, or given aid or comfort to the enemies thereof. But Congress may by a vote of two-thirds of each House, remove such disability.

Section 4. The validity of the public debt of the United States, authorized by law, including debts incurred for payment of pensions and bounties for services in suppressing insurrections or rebellion, shall not be questioned. But neither the United States nor any State shall assume or pay any debt or obligation incurred in aid of insurrection or rebellion against the United States, or any claim for the loss or emancipation of any slave; but all such debts, obligations and claims shall be held illegal and void.

Section 5. The Congress shall have the power to enforce, by appropriate legislation, the provisions of this article.

Amendment [XV]

Section 1. The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of race, color, or previous condition of servitude.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment [XVI]

The Congress shall have power to lay and collect taxes on incomes, from whatever source derived, without apportionment among the several States, and without regard to any census or enumeration.

Amendment [XVII]

The Senate of the United States shall be composed of two Senators from each State, elected by the people thereof, for six years; and each Senator shall have one vote. The electors in each State shall have the qualifications requisite for electors of the most numerous branch of the State Legislatures.

When vacancies happen in the representation of any State in the Senate, the executive authority of such State shall issue writs of election to fill such vacancies: *Provided*, That the Legislature of any State may empower the Executive thereof to make temporary appointments until the people fill the vacancies by election as the Legislature may direct.

This amendment shall not be so construed as to affect the election or term of any Senator chosen before it becomes valid as part of the Constitution.

Amendment [XVIII]

Section 1. After one year from the ratification of this article the manufacture, sale, or transportation of intoxicating liquors within, the importation thereof into, or the exportation thereof from the United States and all territory subject to the jurisdiction thereof for beverage purposes is hereby prohibited.

Section 2. The Congress and the several States shall have concurrent power to enforce this article by appropriate legislation.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of the several States, as provided in the Constitution, within seven years from the date of the submission hereof to the States by the Congress.

Amendment [XIX]

The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of sex.

Congress shall have power to enforce this Article by appropriate legislation.

Amendment [XX]

Section 1. The terms of the President and Vice President shall end at noon on the 20th day of January, and the terms of Senators and Representatives at noon on the 3rd day of January, of the years in which such terms would have ended if this article had not been ratified; and the terms of their successors shall then begin.

Section 2. The Congress shall assemble at least once in every year, and such meeting shall begin at noon on the 3rd day of January, unless they shall by law appoint a different day.

Section 3. If, at the time fixed for the beginning of the term of the President, the President elect shall have died, the Vice President elect shall become President. If a President shall not have been chosen before the time fixed for the beginning of his term, or if the President elect shall have failed to qualify, then the Vice President elect shall act as President until a President shall have qualified; and the Congress may by law provide for the case wherein neither a President elect nor a Vice President elect shall have qualified, declaring who shall then act as President, or the manner in which one who is to act shall be selected, and such person shall act accordingly until a President or Vice President shall have qualified.

Section 4. The Congress may by law provide for the case of the death of any of the persons from whom the House of Representatives may choose a President whenever the right of choice shall have devolved upon them, and for the case of the death of any of the persons from whom the Senate may choose a Vice President whenever the right of choice shall have devolved upon them.

Section 5. Sections 1 and 2 shall take effect on the 15th day of October following the ratification of this article.

Section 6. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of three-fourths of the several States within seven years from the date of its submission.

Amendment [XXI]

Section 1. The eighteenth article of amendment to the Constitution of the United States is hereby repealed.

Section 2. The transportation or importation into any State, Territory, or Possession of the United States for delivery or use therein of intoxicating liquors, in violation of the laws thereof, is hereby prohibited.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by conventions in the several States, as provided in the Constitution, within seven years from the date of the submission hereof to the States by the Congress.

Amendment [XXII]

Section 1. No person shall be elected to the office of the President more than twice, and no person who has held the office of President, or acted as President, for more than two years of a term to which some other person was elected President shall be elected to the office of the President more than once. But this Article shall not apply to any person holding the office of President when this Article was proposed by the Congress, and shall not prevent any person who may be holding the office of President, or acting as President, during the term within which this Article becomes operative from holding the office of President or acting as President during the remainder of such term.

Section 2. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of three-fourths of the several States within seven years from the date of its submission to the States by the Congress.

Amendment [XXIII]

Section 1. The District constituting the seat of Government of the United States shall appoint in such manner as the Congress may direct:

A number of electors of President and Vice President equal to the whole number of Senators and Representatives in Congress to which the District would be entitled if it were a State, but in no event more than the least populous State; they shall be in addition to those appointed by the States, but they shall be considered, for the purposes of the election of President and Vice President, to be electors appointed by a State; and they shall meet in the District and perform such duties as provided by the twelfth article of amendment.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment [XXIV]

Section 1. The right of citizens of the United States to vote in any primary or other election for President or Vice President, for electors for President or Vice President, or for Senator or Representative in Congress, shall not be denied or abridged by the United States or any State by reason of failure to pay any poll tax or other tax.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment [XXV]

Section 1. In case of the removal of the President from office or of his death or resignation, the Vice President shall become President.

Section 2. Whenever there is a vacancy in the office of the Vice President, the President shall nominate a Vice President who shall take office upon confirmation by a majority vote of both houses of Congress.

Section 3. Whenever the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that he is unable to discharge the powers and duties of his office, and until he transmits to them a written declaration to the contrary, such powers and duties shall be discharged by the Vice President as Acting President.

Section 4. Whenever the Vice President and a majority of either the principal officers of the executive departments or of such other body as Congress may by law provide, transmit to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office, the Vice President shall immediately assume the powers and duties of the office as Acting President.

Thereafter, when the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that no inability exists, he shall resume the powers and duties of his office unless the Vice President and a majority of either the principal officers of the executive department or of such other body as Congress may by law provide, transmit within four days to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office. Thereupon Congress shall decide the issue, assembling within forty-eight hours for that purpose if not in session. If the Congress, within twenty-one days after receipt of the latter written declaration, or, if Congress is not in session, within twenty-one days after Congress is required to assemble, determines by two-thirds vote of both houses that the President is unable to discharge the powers and duties of his office, the Vice President shall continue to discharge the same as Acting President; otherwise, the President shall resume the powers and duties of his office.

Amendment [XXVI]

Section 1. The right of citizens of the United States, who are 18 years of age or older, to vote shall not be denied or abridged by the United States Government or any state on account of age.

Section 2. The Congress shall have the power to enforce this article by appropriate legislation.

(Proposed) Amendment[XXVII]

Section 1. Equality of rights under the law shall not be denied or abridged by the United States or by any State on account of sex.

Section 2. The Congress shall have the power to enforce, by appropriate legislation, the provisions of this article.

Section 3. This amendment shall take affect two years after the date of ratification. *(This proposed amendment was passed by Congress in 1972, and had been ratified by 35 of the required 38 states, as of May 15, 1978.)*

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BEST AVAILABLE COPY

Rising Prices Paid by Colleges and Universities

Index: 1967 = 100	**1971-72**	**1972-73**	**1973-74**	**1974-75**	**1975-76**	**1976-77**	**1977-78**	**1978-79**
Personnel compensation								
Professional salaries	132.5	138.4	145.4	153.6	161.6	169.2	177.9	188.7
Faculty	131.7	137.4	144.4	152.3	161.1	168.7	177.6	187.9
Administration and institutional services	135.8	143.3†	150.8	160.7†	163.8	171.4†	179.5	192.0
Library	135.1	142.2†	149.4	157.1†	165.0	171.1†	177.7	192.0
Nonprofessional salaries and wages	136.1	144.3	153.4	165.7	179.1	191.5	206.5	222.8
Craftsmen	137.9	146.6	157.9	172.1†	186.2†	200.5	216.3	234.7
Clerical	133.4	140.6	149.6	164.0	176.0	187.6	201.7	216.6
Operators and laborers	138.5	147.2	157.7	171.9†	186.0†	199.8	214.6	231.6
Fringe benefits	180.2	197.7	222.0	241.0	266.7	295.0	324.3	369.0
Total personnel compensation	**138.4**	**146.0**	**155.3**	**165.5**	**176.4**	**187.1**	**199.2**	**214.8**
Contracted services, supplies, and equipment								
Services	126.4	131.9	138.1	150.2	157.4	166.7	176.1	186.6
Data processing	111.5	116.4	119.0	124.2	131.5	134.8	138.6	144.3
Communication	117.4	120.8	126.1	132.2	140.5	148.0	149.9	155.3
Transportation	143.2	145.3	148.2	153.3	170.8	181.2	188.5	193.8
Printing and duplicating	126.5	132.1	140.1	159.9	163.7	174.6	187.2	202.8
Supplies and materials	112.6	116.3	131.6	164.2	171.8	180.6	188.3	202.7
Equipment	119.4	123.1	130.6	154.1	163.2	171.5	183.3	197.7
Books and periodicals	163.8	177.0	195.3	219.5	251.8	267.7	286.4	316.2
Hardcover books	166.9	173.3	179.8	207.6	238.6	253.5	265.7	296.2
U. S. periodicals	156.7	177.8	217.7	238.0	268.2	288.2	310.9	345.2
Utilities	122.4	129.0	158.3	202.9	219.1	258.1	292.5	320.8
Total contracted services, supplies, and equipment	**125.6**	**131.5**	**144.5**	**168.8**	**180.2**	**194.8**	**209.3**	**225.9**

Index numbers above equal per cent of 1967 costs for various goods and services. The figures are from data included in the Higher Education Price Index, shown on Page 126.

† Estimated

SOURCE: D. KENT HALSTEAD

finances

Higher Education Price Index

Year	Index	Year	Index	Year	Index	Year	Index
1964	86.8	1968	106.0	1972	135.8	1976	177.2
1965	90.5	1969	113.2	1973	143.0	1977	188.6
1966	95.0	1970	121.0	1974	153.1	1978	201.3
1967	**100.0**	1971	128.6	1975	166.2	1979	217.1

The index, above, shows cumulative changes in prices colleges and universities pay for goods and services.

SOURCE: D. KENT HALSTEAD

Market Value of Investments at 147 Colleges and Universities

Following is a list of endowment funds reported by 147 colleges and universities in a survey by the National Association of College and University Business Officers. The funds are ranked according to market values reported for June 30, 1979. Market values as of June 30, 1978, are shown for comparison.

		Market Value	
1979 Rank	Institution	June 30, 1978	June 30, 1979
1.	Harvard U.	$1,392,640,000	$1,457,690,000
2.	U. of Texas	—	1,054,480,000
3.	Yale U.	545,200,000	577,600,000
4.	Columbia U.	478,000,000	504,000,000
5.	Princeton U.	423,347,000	473,928,000
6.	U. of California	360,021,000	384,637,000
7.	Massachusetts Institute of Technology	329,703,000	374,373,000
8.	U. of Rochester	304,963,000	323,970,000
9.	U. of Chicago	282,800,000	311,400,000
10.	Cornell U.	265,479,000	288,000,000
11.	New York U.	261,442,000[1]	272,606,000[2]
12.	Rice U.	235,341,000	270,573,000
13.	Northwestern U.	241,345,000	256,544,000[2]
14.	Washington U.	226,594,000	220,923,000
15.	Rockefeller U.	—	201,661,000
16.	Dartmouth C.	146,257,000	173,642,000
17.	U. of Pennsylvania	153,287,000	168,025,000
18.	Johns Hopkins U.	152,300,000	164,812,000
19.	California Institute of Technology	154,579,000	164,051,000
20.	U. of Notre Dame	115,971,000	137,526,000
21.	U. of Southern Cal.	—	130,051,000
22.	U. of Delaware	120,510,000	127,859,000
23.	Wellesley C.	126,546,000	126,260,000
24.	Duke U.	—	122,880,000
25.	Case Western Reserve U.	102,411,000	118,731,000
26.	U. of Virginia	104,210,000	117,746,000
27.	Carnegie-Mellon U.	109,200,000	112,787,000
28.	Wesleyan U.	103,567,000	106,662,000
29.	Brown U.	93,217,000	106,522,000
30.	U. of Michigan	92,785,000	100,457,000
31.	U. of Minnesota	89,417,000	95,151,000
32.	Smith C.	82,839,000	91,995,000
33.	U. of Pittsburgh	86,702,000	91,809,000
34.	U. of Cincinnati	—	88,016,000
35.	Rensselaer Polytechnic Institute	81,847,000	87,317,000
36.	Oberlin C.	79,870,000	85,478,000
37.	Williams C.	76,202,000	84,703,000
38.	So. Methodist U.	—	78,628,000[4]
39.	Amherst C.	73,370,000	77,321,000
40.	Berea C.	71,700,000	76,633,000
41.	Swarthmore C.	65,252,000	75,583,000
42.	Vassar C.	72,783,000	74,832,000
43.	U. of Richmond	61,676,000	71,249,000
44.	Ohio State U.	62,224,000	67,681,000
45.	Brandeis U.	53,309,000	59,632,000
46.	Rochester Institute of Technology	53,733,000	57,795,000
47.	Wake Forest U.	50,155,000	56,983,000
48.	Lehigh U.	52,155,000	55,679,000
49.	SUNY, Buffalo	53,620,000	53,401,000[7]
50.	Lafayette C.	49,924,000	52,859,000
51.	Mount Holyoke C.	47,851,000	52,532,000
52.	Syracuse U.	47,042,000	49,380,000
53.	Carleton C.	45,018,000	48,889,000
54.	Middlebury C.	39,975,000	48,415,000
55.	Bryn Mawr C.	37,739,000	42,999,000[4]
56.	Georgetown U.	37,725,000	40,347,000
57.	Trinity C. (Conn.)	36,637,000	38,931,000
58.	Boston U.	32,532,000	37,851,000
59.	Cooper Union	34,660,000	37,561,000
60.	U. of Miami	35,102,000[3]	35,845,000[4]
61.	Hamilton C.	—	35,744,000
62.	Academy of the New Church	27,140,000	34,870,000
63.	Tufts U.	30,922,000	34,267,000
64.	Bucknell U.	28,027,000	32,657,000
65.	U. of Wis. Sys.	31,523,000	32,575,000
66.	Rutgers, the State U.	27,456,000	30,626,000
67.	Hampton Institute	29,397,000	30,320,000
68.	Occidental C.	21,903,000	29,095,000
69.	Colorado C.	25,496,000	29,031,000
70.	Willamette U.	26,490,000	28,533,000[4]
71.	Baylor C. of Medicine	23,604,000	26,172,000
72.	Whitman C.	24,710,000	25,545,000

1979 Rank Institution	Market Value June 30, 1978	Market Value June 30, 1979
73. Drew U.	23,493,000	25,538,000[2]
74. Teachers C. Columbia U.	22,672,000[1]	24,158,000
75. Colby C.	24,843,000	23,485,000
76. U. of Missouri	14,735,000	23,144,000
77. U. of Denver	——	23,090,000
78. Barnard C.	20,518,000	21,909,000
79. U. of Vermont	17,152,000	20,707,000
80. U. of Alabama System	——	19,903,000
81. C. of Wooster	16,664,000	19,808,000
82. U. of Illinois	20,241,000	19,849,000
83. Sweet Briar C.	16,937,000	18,520,000
84. U. of Santa Clara	13,560,000	17,806,000
85. U. of Tennessee	14,888,000	17,373,000
86. Simmons C.	16,730,000	17,108,000
87. Hendrix C.	16,386,000[5]	17,100,000[6]
88. Albion C.	15,955,000	17,097,000
89. Dickinson C.	16,000,000	17,090,000
90. Ohio U.	——	16,750,000
91. Marquette U.	14,200,000	16,587,000
92. Denison U	15,568,000	16,518,000
93. Geo. Washington U.	15,316,000	16,409,000
94. U. of Maryland	15,104,000	16,311,000
95. Ohio Wesleyan U.	15,639,000	15,701,000
96. Rhode Island School of Design	13,961,000	15,522,000
97. U. of Nevada System	13,791,000	14,634,000
98. Penn. St. U.	11,910,000	14,301,000
99. Michigan State U.	12,705,000	14,172,000
100. Clark U.	13,053,000	13,906,000
101. Wheaton C. (Mass.)	11,419,000	13,689,000
102. U. of Wis. Fdn.	——	13,673,000
103. Cornell C.	12,546,000	13,169,000
104. Franklin and Marshall C.	12,159,000	12,928,000
105. Spelman C.	11,377,000	12,460,000
106. Oregon State Bd. of Higher Ed.	11,119,000	12,408,000
107. Connecticut C.	——	12,122,000[4]
108. Alma C.	10,830,000	12,043,000
109. Baldwin-Wallace C.	10,645,000	11,920,000
110. Reed C.	10,056,000	11,623,000
111. Indiana U.	11,923,000	11,464,000
112. U. of Puget Sound	10,828,000[1]	11,359,000[7]
113. Mercer U.	9,600,000	11,265,000
114. Drake U.	10,702,000[3]	11,256,000[4]
115. Allegheny C.	——	11,419,000
116. U. of Arizona	9,207,000	10,309,000
117. Washburn C.	10,451,000	10,109,000
118. U. of Maine	9,645,000	10,050,000
119. U. of Tulsa	——	9,689,000[4]
120. Kenyon C.	8,062,000	8,667,000
121. Muhlenberg C.	7,797,000	8,301,000
122. St. Norbert C.	7,688,000	7,919,000
123. U. of Dayton	7,526,000	7,613,000
124. Alfred U.	5,125,000	6,213,000
125. U. of Nebraska	5,273,000	6,022,000
126. U. of Evansville	5,866,000	5,991,000
127. Whittier C.	6,871,000	5,622,000
128. Carroll C.	5,654,000	5,461,000
129. Doane C.	4,430,000	5,254,000
130. U. of Arkansas	4,364,000	5,117,000
131. Va. Military Inst.	4,915,000	5,003,000
132. American U.	4,617,000	4,945,000
133. Hope C.	3,989,000	4,395,000
134. Wash. St. U.	4,001,000	4,226,000
135. U. of Akron	4,148,000	3,537,000
136. Philadelphia C. of Textiles and Science	3,395,000	3,440,000
137. Oregon State U. Foundation	3,090,000	3,431,000
138. Arizona State U.	2,928,000	2,684,000
139. U. of Connecticut	1,514,000	1,679,000
140. U. of Tampa	——	1,617,000
141. U. of Oregon Development Fund	2,701,000	1,595,000
142. U. of Mississippi	1,431,000	1,536,000
143. Oakland U.	1,487,000	1,522,000
144. U. of Akron Development Foundation	——	1,484,000
145. Eastern Michigan U.	1,350,000	1,419,000
146. Monmouth C.(N. J.)	1,277,000	1,360,000
147. SUNY, Binghamton	591,000	575,000

1. As of Aug. 31, 1978.
2. As of Aug. 31, 1979.
3. As of May 31, 1978.

Note: —— indicates 1978 data not reported

Note: 1978 data do not include life income contracts

4. As of May 31, 1979.
5. As of July 31, 1978.
6. As of July 31, 1979.
7. As of March 31, 1979.

SOURCE: NATIONAL ASSOCIATION OF COLLEGE AND UNIVERSITY BUSINESS O

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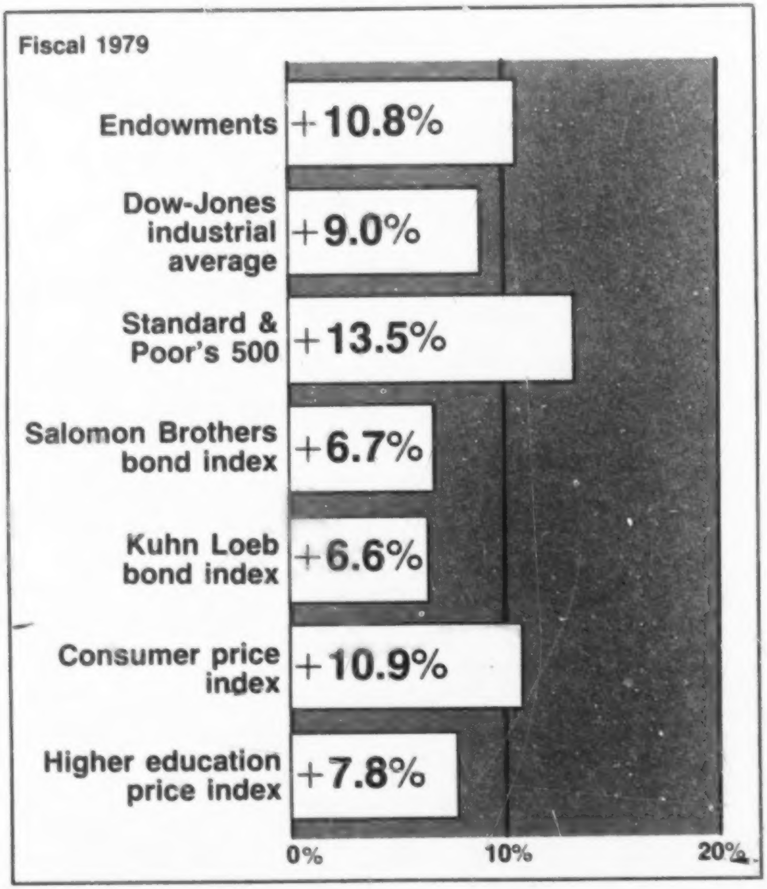
College Endowments: Performance Compared to the Market



Education Expenditures as a Percentage of GNP
Selected Years from 1929

School Year	All Education	Higher Education[1]		
		Total	Public	Private
1929-30	3.3	0.6	0.3	0.4
1939-40	3.5	0.8	0.4	0.4
1945-46	2.2	0.5	0.3	0.3
1949-50	3.5	1.0	0.5	0.5
1955-56	4.1	1.0	0.6	0.4
1959-60	5.0	1.4	0.8	0.6
1961-62	5.5	1.6	0.9	0.7
1963-64	5.9	1.8	1.0	0.8
1965-66	6.3	2.1	1.2	0.9
1967-68	6.9	2.4	1.5	0.9
1969-70	7.3	2.6	1.6	0.9
1970-71	7.5	2.7	1.7	0.9
1971-72	7.5	2.7	1.8	0.9
1972-73	7.2	2.6	1.7	0.9
1973-74	7.2	2.5	1.7	0.8
1974-75	7.6	2.7	1.8	0.9
1975-76	7.5	2.6	1.8	0.8
1976-77	7.1	2.5	1.7	0.8
1977-78	7.0	2.5	1.7	0.8
1978-79[2]	6.9	2.4	1.7	0.8

[1] Includes auxiliary enterprises, hospitals, and independent operations.

[2] Estimated.

NATIONAL CENTER FOR EDUCATION STATISTICS

State Support

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State Funds for Higher Education, 1979-80

Annual Appropriations for Operating Expenses

	Appropriations 1979-80 (add 000)	2-year change
ALABAMA		
U of Alabama		
Tuscaloosa	$ 39,214	+19%
Birmingham	60,171	+28%
Huntsville	10,552	+23%
Auburn U	59,783	+20%
U of South Alabama	22,497	+21%
Jacksonville St U	11,075	+21%
Alabama A&M U	8,350	+20%
Troy St U	7,937	+27%
Alabama St U	7,368	+24%
U of North Alabama	7,018	+23%
U of Montevallo	5,369	+14%
Livingston U	3,230	+20%
Athens St C	1,500	+31%
Aid to jr colleges	40,293	+22%
Aid to voc-tech schs	32,452	+25%
Aid to pvt insts	2,485	+27%
Student aid	939	n/c
Other appropriations*	56,902	n/c
Total	**$ 377,135**	**+21%**
ALASKA		
U of Alaska		
Fairbanks	$ 22,897	n/c
Anchorage	10,676	n/c
Juneau	3,545	n/c
Aid to comm colleges	18,169	n/c
Student aid	71	n/c
Other appropriations	17,134	n/c
Total	**$ 72,492**	**+13%**
ARIZONA		
U of Arizona	$ 107,963	n/c
Arizona St U	65,713	n/c
Northern Arizona U	25,186	n/c
Aid to comm colleges	30,695	n/c
Other appropriations*	3,150	n/c
Total	**$ 232,707**	**+12%**
ARKANSAS		
U of Arkansas	$ 108,667	n/c
Arkansas St U	16,787	+31%
U of Central Arkansas	0,963	+4%
Henderson St U	6,655	+24%
So. Arkansas U	6,722	+31%
Arkansas Tech U	5,571	+42%
Aid to comm-jr colleges	12,011	+39%
Student aid	1,383	+31%
Other appropriations	905	+13%
Total	**$ 169,664**	**+34%**
CALIFORNIA		
U of California*	$ 907,666	n/c
CALIFORNIA—Continued		
Cal St U & Colls		
San Diego	$ 70,917	+27%
Long Beach	66,491	31%
San Jose	60,380	+29%
Northridge	56,386	+30%
San Francisco	55,314	+32%
Los Angeles	55,048	+26%
San Luis Obispo	51,635	+33%
Sacramento	50,357	+31%
Fullerton	45,990	+29%
Fresno	44,690	+27%
Pomona	42,553	+33%
Chico	41,019	+30%
Hayward	32,178	+25%
Humboldt	27,404	+30%
Dominguez Hills	19,541	+27%
Sonoma	19,387	+23%
San Bernardino	14,214	+28%
Stanislaus	12,719	+32%
Bakersfield	12,711	+33%
Hastings C of Law	5,384	+41%
Cal Maritime Academy	2,519	+19%
Aid to comm colleges	1,000,232	n/c
Student aid	77,260	+ 9%
Postsecondary Education Commission	1,786	+24%
Other appropriations	40,450	n/c
Total	**$ 2,814,321**	**+43%**
COLORADO		
U of Colorado	$ 72,515	+ 9%
Colorado St U	32,646	+ 8%
U of No Colorado	16,496	+21%
Colo Sch of Mines	7,071	+25%
U of So Colorado	6,863	− 6%
Ft Lewis C	3,638	+27%
State colleges		
Mesa C, Western St C, & Adams St C	$ 11,392	n/c
Metropolitan St C	9,098	+23%
Central administration	200	+35%
Aid to state comm colls	24,949	n/c
Aid to dist comm colls	6,418	+22%
Occupational ed	17,522	+13%
Student aid	12,850	−20%
Veterans' tuition aid	1,000	−43%
Other appropriations*	24,208	n/c
Total	**$ 246,866**	**+12%**
CONNECTICUT		
U of Connecticut	$ 90,983	+11%
State colleges		
Central Connecticut	14,884	+ 4%
Southern Connecticut	14,852	+ 7%
Western Connecticut	$ 6,700	+14%
Eastern Connecticut	5,683	+21%
Bd for state colleges	577	+18%
CONNECTICUT—Continued		
Higher Ed Ctr, Waterbury	$ 725	+58%
Aid to regional comm colleges	27,086	n/c
Aid to state tech colleges	7,762	+17%
Other appropriations*	42,823	n/c
Total	**$ 212,075**	**+11%**
DELAWARE		
U of Delaware	$ 30,949	+17%
Del Tech and Comm Coll	13,417	+26%
Delaware St C	7,301	+26%
Delaware Inst of Med Ed and Research	1,100	+13%
Delaware Inst Veterinary Med Ed	65	n/c
Other appropriations	441	n/c
Total	**$ 53,273**	**+21%**
FLORIDA		
U of Florida	$ 153,210	+24%
U of South Florida	60,152	+32%
Florida St U	55,508	+25%
Florida International U	24,155	+21%
U of Central Florida	22,271	34.9%
Florida Atlantic U	16,898	+23%
Florida A&M U	15,059	+22%
U of West Florida	13,681	+34%
U of North Florida	10,010	+31%
U of Miami Med Sch	6,197	+24%
U of Miami Nurs Prog	200	n/c
Barry C, Social Work	62	n/c
Aid to comm colleges	222,153	+23%
Other appropriations	10,538	− 4%
Total*	**$ 610,094**	**+25%**
GEORGIA		
U of Georgia	$ 106,978	n/c
Medical C of Georgia	49,834	n/c
Georgia St U	41,075	+23%
Georgia Inst of Tech	36,675	n/c
State colleges		
Georgia Southern C	0,587	+27%
West Georgia C	9,398	+21%
Columbus C	7,228	+35%
Valdosta St C	6,988	+31%
Savannah St C	5,414	+37%
Fort Valley St C	5,343	+22%
Augusta C	5,069	+38%
Georgia C	5,067	+35%
Albany St C	4,562	+23%
Armstrong St C	4,557	+35%
Georgia SW C	4,509	+22%
Kennesaw C	4,160	n/c
North Georgia C	3,333	+27%
Aid to state jr colleges	30,354	n/c
Aid to local jr colleges	5,387	+ 2%
Student aid	648	+16%
Other appropriations	37,966	n/c
Total	**$ 385,132**	**+27%**

	Appropriations 1979-80 (add 000)	2-year change
HAWAII		
U of Hawaii	$ 114,785	n/c
Student aid	10	−50%
Other appropriations*	19,108	n/c
Less tuition and other revenue	−14,830	+19%
Total	**$ 119,073**	**+ 9%**
IDAHO		
U of Idaho	$ 32,073	n/c
Boise St U	16,057	+13%
Idaho St U	15,723	+ 8%
Lewis-Clark St C	2,516	+17%
Aid to jr colleges	3,565	+12%
Other appropriations	13,674	n/c
Total	**$ 83,608**	**+11%**
ILLINOIS		
U of Illinois		
Urbana-Champaign	$ 157,460	+25%
Medical Center	92,322	+27%
Chicago Circle	48,791	+17%
General university	16,295	+24%
Southern Illinois U	117,687	+20%
Northern Illinois U	53,421	+26%
Illinois St U	$ 42,960	+24%
Western Illinois U	31,260	+28%
Eastern Illinois U	20,991	+27%
Northeastern Illinois U	17,738	+36%
Chicago St U	15,664	+30%
Governors St U	12,137	+29%
Sangamon St U	11,761	+22%
Aid to comm colleges	134,364	+12%
Student aid	72,816	n/c
Other appropriations	31,284	n/c
INDIANA		
Indiana U	$ 153,282	n/c
Purdue U	111,464	n/c
Ball St U	41,905	+18%
Indiana St U	$ 37,762	n/c
Indiana Voc-Tech C	16,272	+26%
Vincennes U	6,423	+35%
Student aid	20,331	n/c
Other appropriations	23,758	n/c
Total	**$ 411,197**	**+17%**
IOWA		
U of Iowa	$ 118,800	+23%
Iowa St U	86,403	+23%
U of Northern Iowa	28,774	+23%
Aid to area schools	52,918	+25%
Student aid	14,500	+32%
Other appropriations	1,036	n/c
Total	**$ 303,631**	**+24%**
KANSAS		
U of Kansas	$ 101,092	+30%
Kansas St U	53,923	n/c
Wichita St U	23,990	+26%
Emporia St U	12,405	+18%
Pittsburg St U	11,633	+23%
Fort Hays St U	10,236	+27%
Washburn U of Topeka	2,400	+23%
Kansas Tech Inst	1,295	+39%
Aid to jr colleges	16,806	+35%
Other appropriations	5,059	n/c
Total	**$ 238,839**	**+26%**
KENTUCKY		
U of Kentucky	$ 117,854	+33%
U of Louisville	62,385	+53%
Eastern Kentucky U	26,364	+19%
Western Kentucky U	25,759	+16%
Murray St U	20,196	+28%
Morehead St U	16,260	+19%
No Kentucky U	13,660	+50%
Kentucky St U	8,458	+29%
Other appropriations	8,982	n/c
Total	**$ 299,918**	**+32%**
LOUISIANA		
Louisiana St U	$ 179,689	n/c
Southern U	25,747	+37%
Bd of Trustees system		
U of SW Louisiana	21,330	+36%
Louisiana Tech U	17,493	+47%
NE Louisiana U	15,852	+27%
SE Louisiana U	12,652	+39%
Northwestern St U	12,445	+26%
Nicholls St U	1,594	+44%
McNeese St U	9,650	+19%
Grambling St U	8,904	+39%
Delgado Jr C	8,395	+25%
System administration	644	n/c
System administration	644	n/c
Aid to pvt colleges	2,000	+25%
Student aid	1,200	n/c
Other appropriations	2,413	n/c
Total	**$ 330,008**	**+36%**
MAINE		
U of Maine	$ 43,864	+19%
Maine Maritime Acad	2,351	n/c
Vocational education	8,547	n/c
Student aid	2,477	n/c
Other appropriations	26	n/c
Total	**$ 57,265**	**+25%**
MARYLAND		
U of Maryland	$ 142,727	n/c
State colleges		
Towson	17,364	n/c
Morgan	11,853	n/c
Frostburg	7,379	n/c
Salisbury	6,357	n/c
Bowie	5,546	n/c
U of Baltimore	5,142	n/c
Coppin	5,043	n/c
Saint Mary's C of Md	3,332	n/c
Trustees	4,301	n/c
Aid to comm colleges	45,992	n/c
Aid to pvt colleges	7,925	n/c
Student aid	6,467	n/c
Other appropriations*	54,304	n/c
Total	**$ 323,732**	**+19%**
MASSACHUSETTS		
U of Massachusetts	$ 124,880	+17%
U of Lowell	20,250	+23%
SE Massachusetts U	13,850	+25%
State colleges		
Boston	11,000	+14%
Salem	0,510	+22%
Bridgewater	9,700	+26%
MASSACHUSETTS—Continued		
Fitchburg	$ 8,330	+15%
Worcester	6,830	+16%
Westfield	6,366	+24%
Framingham	6,300	+19%
North Adams	4,650	+23%
Mass Maritime Acad	3,620	+27%
Mass C of Art	3,200	+28%
Board of trustees	975	+11%
Aid to comm colleges	56,258	+28%
Student aid	24,500	n/c
Other appropriations	3,710	n/c
Total	**$ 314,929**	**+25%**
MICHIGAN		
U of Michigan	$ 164,303	+21%
Michigan St U	146,103	n/c
Wayne St U	98,237	+20%
Western Michigan U	46,729	+22%
Eastern Michigan U	34,779	+23%
Central Michigan U	29,531	+23%
Ferris St C	21,846	+24%
Michigan Tech U	20,929	+24%
Northern Michigan U	20,849	+24%
Oakland U	19,756	+26%
Grand Valley St C's	13,268	+24%
Saginaw Valley St C	6,687	+26%
Lake Superior St C	5,739	+26%
Aid to comm colleges	134,646	+22%
Student aid	36,413	n/c
Other appropriations	8,505	n/c
Total	**$ 808,320**	**+22%**
MINNESOTA		
U of Minnesota	$ 221,680	+19%
State universities	75,248	+13%
Aid to area voc-tech insts	82,969	+23%
Aid to comm colleges	36,405	+19%
Student aid	36,812	n/c
Other appropriations	7,669	n/c
Total	**$ 460,782**	**+21%**
MISSISSIPPI		
U of Mississippi	$ 52,784	+27%
Mississippi St U	46,497	+22%
U of So Mississippi	24,527	+26%
Jackson St U	12,689	+25%
Miss U for Women	7,521	+22%
Delta St U	7,193	+22%
Alcorn St U	6,756	+49%
Miss Valley State U	5,914	35%
Gulf Coast Research Lab	2,300	16%
Vocational education	26,815	+25%
Aid to jr colleges	31,317	+27%
Student aid	2,447	n/c
Other appropriations	6,978	n/c
Total	**$ 233,738**	**+25%**
MISSOURI		
U of Missouri	$ 162,959	+20%
SW Missouri St U	20,567	+25%
Central Missouri St U	18,247	+23%
SE Missouri St U	15,790	+27%
NE Missouri St U	11,825	+21%
NW Missouri St U	9,272	+16%
Missouri Southern	6,263	+19%

state support

	Appropriations 1979-80 (add 000)	2-year change
MISSOURI—Continued		
Missouri Western St C	$ 6,174	+18%
Lincoln U	5,959	+17%
Harris-Stowe C	2,448	+69%
Aid to pub jr colleges	28,366	+ 3%
Student aid	7,500	+25%
Other appropriations*	17,571	+57%
Total	**$ 312,941**	+21%
MONTANA		
Montana St U	$ 22,893	+19%
U of Montana	16,993	+12%
Eastern Montana C	6,450	+15%
C of Min Sci & Tech	3,883	+36%
Northern Montana C	2,952	+10%
Western Montana C	1,687	+ 3%
Aid to comm colleges	1,940	+ 5%
Student aid	1,570	n/c
Other appropriations	2,126	n/c
Total	**$ 60,494**	+16%
NEBRASKA		
U of Nebraska	$ 115,966	+15%
Kearney St C	7,175	+10%
Wayne St C	4,138	+13%
Chadron St C	4,077	+18%
Peru St C	2,388	+18%
System office	632	+59%
Aid to tech comm colls	16,497	+17%
Other appropriations	67	n/c
Total	**$ 150,940**	+15%
NEVADA		
U of Nevada Reno	$ 26,[illegible]79	+20%
U of Nevada Las Vegas	$ 15,542	+17%
Aid to comm colleges	8,979	+30%
Student aid	$ 100	nc
Other appropriations	[illegible]	n/c
Total	**$ 56,6[illegible]**	+25%
NEW HAMPSHIRE		
U of New Hampshire	$ 17,404	+ 2%
Keene St C	2,822	+19%
Plymouth St C	2,820	+19%
Aid to tech colleges	5,767	+16%
Student aid	423	+37%
Other appropriations	570	n/c
Total	**$ 29,806**	+ 8%
NEW JERSEY		
Rutgers, the St U	$ 110,431	+17%
NJ C of Med & Dentistry	62,725	+32%
NJ Inst of Tech	14,990	+21%
State colleges		
Montclair	16,259	+21%
Paterson	14,866	+23%
Trenton	14,003	+ 6%
Kean	13,601	+22%
Glassboro	12,935	+13%
Jersey City	11,744	+19%
Richard Stockton	7,296	+18%
Ramapo	7,036	+17%
Edison C of NJ	929	+45%
Aid to county colleges	51,111	+ 7%
Aid to pvt colleges	8,870	+12%
Student aid	44,650	+15%
Other appropriations	8,920	n/c
Total*	**$ 400,366**	+18%

	Appropriations 1979-80 (add 000)	2-year change
NEW MEXICO		
U of New Mexico	$ 59,474	n/c
New Mexico St U	36,726	+31%
E New Mexico U	11,743	+31%
NM Highlands U	5,728	+26%
NM Inst of Min & Tech	5,448	+30%
W New Mexico U	3,134	+14%
N New Mexico CC	2,258	n/c
NM Military Inst	55	−66%
Aid to jr colleges	309	+ 6%
Student aid	360	n/c
Other appropriations	496	+23%
Total	**$ 125,731**	+31%
NEW YORK		
SUNY centers		
Stony Brook	$ 101,531	+61%
Buffalo	98,087	+16%
Albany	49,225	+14%
Binghamton	32,451	+15%
SUNY medical ctrs	112,298	+25%
SUNY colleges		
Buffalo	25,738	+14%
Brockport	24,094	+15%
Oswego	21,444	+14%
New Paltz	17,560	+11%
Oneonta	16,967	+12%
Cortland	15,696	+15%
Plattsburgh	15,589	+16%
Geneseo	15,531	+13%
Potsdam	14,784	+14%
Fredonia	14,020	+16%
Purchase	12,933	+16%
Old Westbury	7,897	+26%
Statutory colleges		
Cornell U	52,067	+23%
Alfred U	3,256	+25%
Specialized colleges		
Environmental Sci & Forestry	10,292	n/c
Empire State	7,421	n/c
C of Tech	5,676	[illegible]
Maritime	5,176	+11%
Optometry	4,799	+31%
Ag & tech colleges	57,531	+15%
University-wide progs	54,135	n/c
Less student fees and other income	−115,800	− 8%
Aid to comm colleges	166,066	n/c
Aid to pvt colleges	90,220	+ 1%
Student aid	280,189	+19%
Other appropriations*	326,543	n/c
Total*	**$ 1,543,416**	+19%
NORTH CAROLINA		
U of North Carolina		
Chapel Hill	$ 132,670	+19%
Greensboro	22,280	+19%
Charlotte	17,959	+22%
Wilmington	9,196	+30%
Asheville	4,096	+19%
North Carolina St U	87,023	n/c
East Carolina U	38,856	+34%
Appalachian St U	20,581	+21%
NC A&T St U	14,350	+21%
Western Carolina U	14,193	+14%
NC Central U	12,287	+22%
Winston-Salem St U	6,413	+22%
Fayetteville St U	5,955	+25%
Pembroke St U	$ 5,338	+15%

	Appropriations 1979-80 (add 000)	2-year change
NORTH CAROLINA—Continued		
Elizabeth City St U	$ 5,287	+18%
NC Sch of the Arts	3,329	+31%
General administration	29,836	+39%
Aid to comm colleges and tech insts	148,268	+37%
Veterans' benefits	2,273	+11%
Total	**$ 580,190**	+26%
OHIO		
Ohio St U	$ 161,773	+23%
U of Cincinnati	64,733	+18%
Kent St U	38,887	+16%
U of Akron	33,527	+24%
Ohio U	32,586	+28%
Bowling Green St U	31,559	+19%
Cleveland St U	27,502	+18%
Miami U	27,463	+20%
U of Toledo	26,954	+18%
Wright St U	23,102	+37%
Youngstown St U	21,268	+18%
Central St U	7,971	+16%
Medical C of Ohio	14,029	+26%
Northeastern Med C	5,105	+63%
Wright St Medical C	4,237	− 1%
Case Western Res U	6,317	+13%
C of Podiatric Med	500	100%
Aid to comm colleges	36,180	+12%
Aid to gen & tech colleges	4,151	41%
U branches	20,043	14%
Technical colleges	33,416	+29%
Other appropriations	47,894	n/c
Total	**$ 669,197**	+21%
OKLAHOMA		
U of Oklahoma	$ 68,377	n/c
Oklahoma St U	60,507	+28%
Central St U	14,126	+31%
Northeastern St U	8,018	+25%
Southwestern St U	7,545	+30%
Cameron U	6,332	+39%
Southeastern St U	5,273	+27%
East Central St U	4,869	+37%
Oklahoma C of Osteopathic Med	3,514	+32%
Langston U	2,953	+56%
U of Science & Arts	2,643	+32%
Northwestern St U	2,296	+15%
Okla Panhandle St U	2,078	+24%
Aid to jr colleges	38,761	+40%
Student aid	100	n/c
Other appropriations	1,435	n/c
Total	**$ 228,827**	+32%
OREGON		
U of Oregon	$ 28,045	+ 7%
U of Ore Health Sci Ctr	36,075	+21%
Oregon St U	49,042	+17%
Portland St U	20,079	+11%
So Oregon St C	7,040	+11%
Oregon C of Ed	6,453	+17%
Oregon Inst of Tech	5,595	+11%
Eastern Oregon St C	3,788	+14%
Aid to comm colleges	47,282	+ 8%
Student aid	8,738	+31%
Other appropriations*	37,419	n/c
Total	**$ 249,556**	+26%

	Appropriations 1979-80 (add 000)	2-year change
PENNSYLVANIA		
Pennsylvania St U	$ 120,118	+13%
Temple U	75,555	+10%
U of Pittsburgh	67,588	+12%
Lincoln U	3,723	+17%
State-owned insts		
Indiana U of Pa	24,552	+17%
West Chester	19,793	+13%
Edinboro	16,174	+15%
Slippery Rock	14,669	+ 8%
California	14,318	+ 9%
Bloomsburg	13,881	+16%
Clarion	13,652	+12%
Millersville	13,647	+ 7%
Shippensburg	13,530	+13%
Kutztown	12,292	+ 9%
East Stroudsburg	10,734	+17%
Mansfield	9,932	+11%
Cheyney	9,089	+14%
Lock Haven	8,336	+21%
Unallocated	400	167%
Pvt, state-aided insts		
U of Pennsylvania	19,113	+17%
Thomas Jefferson U	5,832	+24%
Drexel U	3,683	+22%
Philadelphia C of Osteopathic Med	3,630	+ 2%
Hahnemann Med C	3,536	+12%
Med C of Pa*	2,296	+28%
Pa C of Optometry	830	+277%
Pa C Podiatric Med	680	+ 3%
Philadelphia C of Art	448	+27%
Philadelphia C of Textiles & Science	393	+57%
Del Valley Sci & Ag	298	+61%
Pvt. state-aided insts		
Phil C Perf Arts	104	n/c
Other appropriations*	197,929	n/c
Total	**$ 738,686**	**+11%**
RHODE ISLAND		
U of Rhode Island	$ 36,492	+18%
Rhode Island C	16,922	+17%
Rhode Island Jr C	12,753	+15%
Student aid	3,827	+81%
Aid to medical ed	1,070	+19%
Other appropriations	348	n/c
Total	**$ 71,412**	**+20%**
SOUTH CAROLINA		
U of South Carolina	$ 85,643	n/c
Medical U of SC	63,918	n/c
Clemson U	58,387	n/c
C of Charleston	10,575	n/c
South Carolina St C	10,526	n/c
Winthrop C	9,453	n/c
The Citadel	7,942	n/c
Francis Marion C	5,346	n/c
Lander C	3,761	n/c
Bd for tech & comp ed	46,283	n/c
Aid to pvt-coll students	9,747	n/c
Other appropriations	1,466	n/c
Total	**$ 299,206**	**+32%**
SOUTH DAKOTA		
South Dakota St U	$ 19,090	n/c
U of South Dakota	15,964	n/c
SD Sch of Mines & Tech	$ 4,190	n/c
Northern St C	3,825	n/c
Black Hills St C	3,051	n/c
Dakota St C	1,773	n/c
Student aid	546	n/c
Other appropriations	1,433	n/c
Total	**$ 49,872**	**+21%**
TENNESSEE		
U of Tennessee	$ 142,392	n/c
Memphis St U	30.682	+10%
East Tennessee St U	19,091	+19%
Middle Tenn St U	15,909	+12%
Tennessee St U	15,040	n/c
Tennessee Tech U	12,462	+14%
Austin Peay St U	7,380	+24%
Aid to state comm colls	30,044	+24%
Aid to state tech insts	11,792	n/c
Student aid	5,259	+94%
Other appropriations*	28,122	n/c
Total	**$ 318,173**	**+30%**
TEXAS		
U of Texas	$ 488,012	n/c
Texas A&M U	150,280	+26%
U of Houston	72,949	+29%
Texas Tech U	64,761	+13%
North Texas St U	31,222	+19%
Texas Woman's U	22,994	+26%
Southwest Texas St U	21,078	+30%
East Texas St U	19,241	+17%
Texas St Tech Inst	19,015	+26%
Lamar U	17,542	+28%
Sam Houston St U	16,288	+42%
Stephen Austin St U	15,224	+24%
Texas Southern U	13,401	+19%
Tex C Osteo Med	13,288	+31%
Pan American U	12,820	+13%
Texas A&I U	10,067	n/c
West Texas St U	9,868	− 2%
Angelo St U	7,278	+16%
Midwestern St U	6,998	+15%
Sul Ross St U	5,652	−34%
Aid to jr colleges	239,630	+19%
Other appropriations	50,783	n/c
Total	**$ 1,315,525**	**+25%**
UTAH		
U of Utah	$ 64,608	+21%
Utah St U	33,315	+25%
Weber St C	17,120	+23%
Utah Tech C		
Salt Lake	6,847	+28%
Provo	5,845	+31%
Southern Utah St C	5,263	+27%
Snow C	2,875	+36%
Dixie C	2,853	+34%
C of Eastern Utah	2,280	+35%
Student aid	130	+19%
Other appropriations	4,248	n/c
Total	**$ 145,384**	**+24%**
VERMONT		
U of Vermont	$ 15,513	+15%
State colleges	6,967	+18%
Student aid	4,550	n/c
Other appropriations	$ 32	n/c
Total	**$ 27,062**	**+18%**
VIRGINIA		
Virginia Polytech Inst and St U	$ 77,851	+28%
Va Commonwealth U	75,368	+37%
U of Virginia	72,148	n/c
Old Dominion U	21,123	+52%
C of William and Mary	16,124	+26%
George Mason U	13,638	+46%
Madison U	13,451	+33%
Norfolk St C	10,743	+16%
Virginia St C	8,612	+32%
Radford C	8,224	+43%
Longwood C	4,033	+23%
Mary Washington C	4,027	+51%
Virginia Military Inst	3,998	+33%
Christopher Newport C	3,764	+55%
Aid to comm colleges	89,202	+30%
Student aid	4,657	+29%
Other appropriations	17,091	n/c
Total	**$ 444,054**	**+21%**
WEST VIRGINIA		
West Virginia U	$ 74,838	+24%
Marshall U	19,000	+19%
Fairmont St C	6,491	+18%
West Virginia Inst of Tech	5,746	+23%
West Virginia St C	5,685	+13%
West Liberty St C	5,139	+13%
Shepherd C	4,060	+20%
Concord C	3,868	+15%
West Virginia Sch of Osteopathic Med	3,540	+59%
West Virginia C of Grad Studies	3,420	+22%
Glenville St C	3,222	+18%
Bluefield St C	3,019	n/c
Community colleges	7,770	+46%
Student aid	2,600	+13%
Other appropriations*	16,489	n/c
Total	**$ 158,684**	**+17%**
WISCONSIN		
U of Wisconsin		
Madison	$ 145,967	+18%
Milwaukee	48,886	+15%
Oshkosh	20,177	+17%
Eau Claire	18,628	+17%
Whitewater	15,590	+26%
Stevens Point	15,198	+17%
La Crosse	14,622	+20%
Stout	12,758	+14%
Platteville	10,294	+22%
Parkside	10,022	+14%
River Falls	10,009	+21%
Green Bay	9,671	+14%
Superior	7,488	+21%
Extension	23,773	+22%
Two-year centers	13,853	+19%
Med C of Wisconsin	5,289	+34%
Voc-tech adult ed	55,220	+21%
Other appropriations	31,173	+ 2%
Total	**$ 468,618**	**+17%**

state support

		Appropriations 1979-80 (add 000)	2-year change
WYOMING			
U of Wyoming	$	38,071	+21%
Aid to comm colleges		13,480	+21%
Other appropriations		113	n/c
Total	$	51,664	+20%

Biennial Appropriations

NORTH DAKOTA			
North Dakota St U	$	56,006	+24%
U of North Dakota		52,029	+25%
St Sch of Science		13,906	+22%
Minot St C		9,398	+16%
Dickinson St C		5,870	+25%
Valley City St C		5,070	+12%
Mayville St C		4,415	+26%
Aid to jr colleges		4,427	+22%
Student aid		200	n/c
Total	$	151,321	+24%
WASHINGTON			
U of Washington	$	266,143	n/c
Washington St U		161,083	n/c
W Washington U		51,262	n/c
E Washington U		45,825	n/c
Central Wash U		41,715	n/c
Evergreen St C		19,491	n/c
Aid to comm colleges		329,182	n/c
Student aid		11,252	+ 6%
Other appropriations		9,481	n/c
Total	$	935,434	+23%

NOTE: Some totals may be inconsistent with itemized figures because of rounding.
n/c Not comparable.
* Estimated.

Data compiled by
M.M. Chambers
of Illinois State University

State Community Colleges

	Appropriations (add 000)			
	1977-78	1978-79	1979-80	2-year change
Alabama	$ 33,050	$ 40,000	$ 40,293	+ 22%
Colorado	23,967	24,693	24,949	+ 4%
Connecticut	24,364	27,047	27,086	+ 11%
Delaware	10,672	12,351	13,417	+ 26%
Georgia	26,520	27,709	30,354	+ 14%
Massachusetts	44,021	49,905	56,258	+ 28%
Minnesota	30,724	31,478	36,405	+ 18%
Nebraska	14,100	15,540	16,497	+ 17%
Nevada	6,951	7,603	8,979	+ 29%
New Mexico	—	1,999	2,258	—
New York	49,921	54,120	57,531	+ 15%
Oklahoma	27,544	32,516	38,442	+ 40%
Rhode Island	11,074	11,762	12,753	+ 15%
South Carolina	31,755	39,334	46,283	+ 46%
Tennessee	24,181	27,577	30,044	+ 24%
Virginia	68,602	86,777	89,202	+ 30%
Washington	118,450	118,450	164,59[illegible]	+ 39%
West Virginia	5,314	5,627	7,770	+ 46%
Totals	**$551,210**	**$614,488**	**$703,112**	+ 28%

Local Public Community Colleges

	Appropriations (add 000)			
	1977-78	1978-79	1979-80	2-year change
Arizona	$ 29,398	$ 31,243	$ 30,695	+ 4%
Arkansas	8,645	9,749	12,011	+ 39%
California	509,435	816,962	1,000,232	+ 96%
Colorado	5,282	6,112	6,418	+ 22%
Florida	180,261	193,304	222,153	+ 23%
Georgia	5,274	5,281	5,387	+ 2%
Idaho	3,176	3,465	3,565	+ 12%
Illinois	121,057	126,239	135,251	+ 12%
Indiana	4,749	5,343	6,423	+ 35%
Iowa	32,714	37,050	42,168	+ 29%
Kansas	12,469	16,248	16,806	+ 35%
Maryland	46,173	47,669	45,992	+ 0%
Michigan	110,251	120,508	134,646	+ 22%
Mississippi	24,700	29,000	31,317	+ 27%
Missouri	27,600	28,366	28,366	+ 3%
Montana	1,856	1,992	1,940	+ 5%
New Jersey	47,950	48,918	51,111	+ 7%
New Mexico	293	283	309	+ 5%
New York	164,067	158,738	166,066	+ 1%
North Carolina	108,433	139,335	148,268	+ 37%
North Dakota	1,818	1,818	2,213	+ 22%
Ohio	35,288	39,357	40,331	+ 14%
Oklahoma	228	281	319	+ 40%
Oregon	43,862	43,862	47,282	+ 8%
Pennsylvania	35,090	38,790	37,930	+ 8%
Texas	201,856	216,358	239,630	+ 19%
Wyoming	11,289	13,571	13,593	+ 20%
Totals	**$1,773,214**	**$2,179,842**	**$2,470,422**	+ 39%

Analysis of State Funds for Higher Education

	1979-80 Appropriations (a)		Appropriations per capita (b)		Approp. per $1,000 of personal income (c)		2-year change (d)		10-year change (e)		2-year change minus inflation (f)		10-year change minus inflation (g)	
	Amount	Rank	Amount	Rank	Amount	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank	Per cent	Rank
Alabama	$ 377,135,000	17	$100.78	16	$16.02	6	+21%	26	+420%	2	+ 5%	26	+171%	2
Alaska	72,492,000	41	179.88	1	16.42	3	+13%	43	+510%	1	− 2%	43	+218%	1
Arizona	232,707,000	30	98.86	18	13.41	15	+12%	44	+255%	15	− 3%	44	+ 85%	15
Arkansas	169,664,000	33	77.61	34	13.00	19	+34%	3	+256%	14	+17%	3	+ 86%	14
California	2,814,321,000	1	126.24	3	14.14	12	+43%	1	+276%	9	+25%	1	+ 96%	9
Colorado	246,866,000	27	92.46	22	11.41	27	+12%	45	+183%	33	− 3%	45	+ 48%	33
Connecticut	212,075,000	32	68.43	42	7.68	47	+11%	46	+164%	41	− 3%	46	+ 38%	41
Delaware	53,273,000	46	91.38	23	10.71	32	+21%	30	+215%	23	+ 5%	30	+ 64%	23
Florida	610,094,000	8	70.99	41	9.37	38	+25%	18	+207%	27	+ 8%	18	+ 60%	27
Georgia	385,132,000	16	75.75	38	11.30	28	+27%	9	+210%	26	+10%	9	+ 62%	26
Hawaii	119,073,000	38	134.55	2	15.95	7	+ 9%	49	+185%	31	− 6%	49	+ 49%	31
Idaho	83,608,000	39	95.23	21	13.58	14	+11%	47	+180%	35	− 4%	47	+ 46%	35
Illinois	876,951,000	4	78.00	33	8.76	42	+18%	35	+116%	49	+ 3%	35	+ 13%	49
Indiana	411,197,000	14	76.52	36	9.93	37	+17%	39	+166%	39	+ 1%	39	+ 39%	39
Iowa	303,631,000	23	104.84	9	13.10	17	+24%	20	+199%	29	+ 7%	20	+ 56%	29
Kansas	238,839,000	28	101.72	14	12.91	21	+26%	10	+200%	28	+10%	10	+ 56%	28
Kentucky	299,918,000	24	85.74	28	12.98	20	+32%	5	+214%	24	+15%	5	+ 64%	24
Louisiana	330,008,000	18	83.21	30	12.39	25	+36%	2	+232%	19	+18%	2	+ 73%	19
Maine	57,265,000	44	52.49	49	8.34	44	+25%	17	+120%	48	+ 8%	17	+ 15%	48
Maryland	323,732,000	19	78.14	32	9.34	39	+19%	33	+251%	17	+ 3%	33	+ 83%	17
Massachusetts	314,929,000	20	54.54	48	6.88	48	+25%	16	+269%	10	+ 9%	16	+ 93%	10
Michigan	808,320,000	5	87.97	24	10.37	35	+22%	23	+165%	40	+ 6%	23	+ 38%	40
Minnesota	460,782,000	12	114.97	7	14.53	11	+21%	28	+259%	13	+ 5%	28	+ 87%	13
Mississippi	233,738,000	29	97.23	19	17.59	1	+25%	13	+389%	3	+ 9%	14	+155%	3
Missouri	312,941,000	22	64.39	43	8.81	41	+21%	29	+145%	44	+ 5%	29	+ 28%	44
Montana	60,494,000	43	77.06	35	11.42	26	+16%	41	+126%	47	+ 1%	41	+ 18%	47
Nebraska	150,940,000	35	96.45	20	12.72	23	+15%	42	+212%	25	0%	42	+ 63%	25
Nevada	56,896,000	45	86.21	27	9.13	40	+25%	15	+285%	6	+ 9%	15	+101%	6
New Hampshire	29,806,000	49	34.22	50	4.65	50	+ 8%	50	+179%	37	− 6%	50	+ 45%	37
New Jersey	400,366,000	15	54.64	47	6.23	49	+18%	37	+217%	22	+ 2%	37	+ 65%	22
New Mexico	125,731,000	37	103.74	11	15.78	9	+31%	7	+248%	18	+14%	7	+ 81%	18
New York	1,543,416,000	2	86.96	25	10.57	33	+19%	34	+147%	42	+ 3%	34	+ 29%	42
North Carolina	580,190,000	9	104.03	10	15.82	8	+26%	12	+230%	20	+ 9%	12	+ 72%	20
North Dakota	75,660,000	40	116.04	6	16.18	5	+24%	21	+225%	21	+ 7%	21	+ 70%	21
Ohio	669,197,000	7	62.26	45	7.93	46	+21%	24	+179%	36	+ 5%	24	+ 45%	36
Oklahoma	228,827,000	31	79.45	31	11.13	31	+32%	4	+284%	7	+15%	4	+100%	7
Oregon	249,556,000	26	102.11	13	12.62	24	+26%	11	+185%	32	+ 9%	11	+ 48%	32
Pennsylvania	738,686,000	6	62.87	44	8.12	45	+11%	48	+133%	46	− 4%	48	+ 21%	46
Rhode Island	71,412,000	42	76.38	37	10.23	36	+20%	32	+147%	43	+ 4%	32	+ 29%	43
South Carolina	299,206,000	25	102.54	12	16.31	4	+32%	6	+325%	4	+14%	6	+122%	4
South Dakota	49,872,000	48	72.28	40	10.54	34	+21%	25	+174%	38	+ 5%	25	+ 43%	38
Tennessee	318,173,000	21	73.03	39	11.15	30	+30%	8	+265%	11	+13%	8	+ 90%	11
***Texas**	1,315,525,000	3	101.09	15	13.08	18	+25%	14	+287%	5	+ 9%	13	+102%	5
Utah	145,384,000	36	111.23	8	16.93	2	+24%	19	+263%	12	+ 8%	19	+ 89%	12
Vermont	27,062,000	50	55.57	46	8.46	43	+18%	36	+100%	50	+ 2%	36	+ 4%	50
Virginia	444,054,000	13	86.26	26	11.24	29	+21%	27	+278%	8	+ 5%	27	+ 97%	8
Washington	467,717,000	11	123.93	4	14.59	10	+23%	22	+145%	45	+ 7%	22	+ 28%	45
West Virginia	158,684,000	34	85.31	29	12.88	22	+17%	40	+188%	30	+ 1%	40	+ 50%	30
Wisconsin	468,618,000	10	100.15	17	13.30	16	+17%	38	+183%	34	+ 2%	38	+ 47%	34
Wyoming	51,664,000	47	121.85	5	14.12	13	+20%	31	+252%	16	+ 5%	31	+ 84%	16
Total U. S.	**$19,075,829,000**		**$ 87.48**		**$11.16**		+24%		+207%		+ 8%		+ 60%	

(a) Reported by M. M. Chambers of Illinois State University as state tax funds appropriated for operating expenses and scholarship programs for higher education. Not included are appropriations for capital outlay or sums which clearly originated from sources other than state taxes, such as student fees.

Included are appropriations for annual operating expenses even if appropriated to some other agency of the state for ultimate allocation to institutions of higher education.

Pre-allocated state taxes whose proceeds are dedicated to any institution of higher education are included even though the process of periodic appropriation by the legislature may be bypassed.

Also included are state tax funds appropriated for scholarships and statewide governing or coordinating boards.

(b) State appropriations divided by the U. S. Census Bureau's estimates of resident population of the states for 1978.

(c) State appropriations divided by state personal income, in thousands of dollars, reported by the U. S. Commerce Department for 1978.

(d) Increase in appropriations for 1979-80 over those for 1977-78, as reported by M. M. Chambers.

(e) Increase in appropriations for 1979-80 over those for 1969-70, as reported by M. M. Chambers.

(f) Two-year increase in appropriations adjusted for inflation of 15.1 per cent during the two years ending last June, as measured by D. Kent Halstead's Higher Education Price Index of prices paid by colleges and universities for goods and services.

(g) Ten-year increase in appropriations adjusted for inflation of 91.8 per cent during the 10 years ending last June, as measured by the Higher Education Price Index.

*These figures do not include any federal revenue-sharing funds and, therefore, in the case of some states, e.g. Texas, changes from year to year may not accurately express increases or decreases in state support.

Spending by States and Territories For Student Aid in 1979-80

$852-million in grants and scholarships shared by more than 1.2 million students

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1979-80 Per cent of total	
	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	Awards	Money
Alabama											
Student assistance	2,453	5,628	8,225	$546	$1,937	$2,468	$223	$344	$300	0.65%	0.29%
Alaska											
Scholarships	90	95	160	141	150	240	1,567	1,579	1,500	0.01%	0.03%
Arizona											
Incentive grants	1,958	2,257	2,650	1,201	1,596	1,800	613	707	679	0.21%	0.21%
Arkansas											
State scholarships	2,289	3,200	4,000	500	747	1,104	218	233	276	0.32%	0.13%
California											
State scholarships	39,964	39,871	41,527	55,874	55,584	56,809					
College opportunity grants	15,498	19,037	21,413	19,804	19,892	23,358					
Occupational training grants	2,071	2,166	2,435	2,713	3,218	3,311					
All **California** programs	57,533	61,074	65,375	78,391	78,694	83,478	1,363	1,289	1,277	5.18%	9.79%
Colorado											
Student grants	12,000	2,400	7,500	8,245	7,790	2,015					
Incentive grants	1,500	12,000	3,000	1,526	1,600	6,045					
All **Colorado** programs	13,500	14,400	10,500	9,771	9,390	8,060	724	652	768	0.83%	0.95%
Connecticut											
State scholarships	2,734	3,273	3,556	2,022	2,462	2,667					
State supplemental grants	1,919	2,164	2,164	899	1,045	1,000					
Higher education grants	846	405	405	280	122	122					
Private college student contracts	4,500	4,425	4,425	3,600	3,975	4,830					
All **Connecticut** programs	9,999	10,267	10,550	6,801	7,604	8,619	680	741	817	0.84%	1.01%
Delaware											
Postsecondary scholarships	794	816	1,600	540	502	550	680	615	344	0.13%	0.06%
District of Columbia											
Incentive grants	794	650	895	873	928	1,073	1,099	1,428	1,199	0.07%	0.13%
Florida											
Student assistance grants	7,802	11,071	12,000	8,290	9,186	10,400	1,063	830	867	0.95%	1.22%
Georgia											
Incentive scholarships	8,000	11,000	13,500	2,807	3,175	3,365	351	289	249	1.07%	0.39%
Hawaii											
Incentive grants	2,962	4,800	2,700	298	496	452	101	103	167	0.21%	0.05%
Idaho											
Incentive grants	686	790	930	360	409	494	525	518	531	0.07%	0.06%
Illinois											
Monetary awards	92,291	91,145	76,296	74,150	79,625	74,497	803	874	976	6.04%	8.74%
Indiana											
State scholarships	16,320	15,920	16,165	13,350	13,500	13,740					
Educational grants	5,090	5,500	5,600	3,700	4,000	4,072					
Freedom-of-choice grants	5,200	6,100	6,200	2,600	3,600	3,665					
All **Indiana** programs	26,610	27,520	27,965	19,650	21,100	21,479	738	767	768	2.22%	2.52%
Iowa											
Scholarships	1,104	1,100	1,225	599	661	700					
Tuition grants	9,676	9,700	9,500	10,631	12,180	13,802					
Vocational-technical tuition grants	1,097	2,000	2,660	295	700	800					
All **Iowa** programs	11,877	12,800	13,385	11,525	13,541	15,302	970	1,058	1,143	1.06%	1.80%
Kansas											
Scholarships	1,885	1,500	1,653	937	740	850					
Tuition grants	3,731	3,870	4,500	3,498	3,675	3,800					
All **Kansas** programs	5,616	5,370	6,153	4,435	4,415	4,650	790	822	756	0.49%	0.55%

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1979-80 Per cent of total	
	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	Awards	Money
Kentucky											
State grants	11,048	11,118	13,612	3,838	4,193	5,309	347	377	390	1.08%	0.62%
Louisiana											
Incentive grants	1,588	1,679	2,100	595	641	872	375	382	415	0.17%	0.10%
Maine											
Incentive grants	1,112	1,740	1,800	460	1,091	1,350					
Vocational-technical assistance	450	—	—	71	—	—					
All **Maine** programs	1,562	1,740	1,800	531	1,091	1,350	340	627	750	0.14%	0.16%
Maryland											
General state scholarships	4,200	4,800	5,000	2,117	2,316	2,878					
Senatorial scholarships	6,178	7,278	7,300	2,372	2,622	2,676					
All **Maryland** programs	10,378	12,078	12,300	4,489	4,938	5,554	433	409	452	0.97%	0.65%
Massachusetts											
General scholarships	23,564	25,670	26,000	14,212	15,200	15,984					
Nursing scholarships	410	384	340	125	115	115					
Special education scholarships	36	—	—	13	—	—					
Consortium scholarships	260	257	257	150	150	150					
Non-degree tuition aid	207	—	—	99	—	—					
All **Massachusetts** programs	24,477	26,311	26,597	14,599	15,465	16,249	596	588	611	2.11%	1.91%
Michigan											
Competitive scholarships	18,003	17,665	19,639	14,267	14,965	15,692					
Tuition grants	12,665	13,474	13,050	13,432	13,851	14,500					
All **Michigan** programs	30,668	31,139	32,689	27,699	26,816	30,192	903	925	924	2.59%	3.54%
Minnesota											
Scholarships	9,276	10,914	12,528	7,078	8,642	10,096					
Grants	16,217	19,442	17,960	10,814	13,514	13,535					
All **Minnesota** programs	25,493	30,356	30,488	17,892	22,156	23,631	702	730	775	2.42%	2.77%
Mississippi											
Incentive grants	1,923	1,923	2,200	1,064	1,064	1,109	553	553	504	0.17%	0.13%
Missouri											
Student grants	15,750	18,367	28,000	6,330	6,465	9,000	402	352	321	2.22%	1.06%
Montana											
Incentive grants	1,320	1,200	1,373	330	351	412	250	293	300	0.11%	0.05%
Nebraska											
Incentive grants	1,591	1,700	1,700	409	856	856	257	504	504	0.13%	0.10%
Nevada											
Incentive grants	328	326	930	173	172	493	527	528	530	0.07%	0.05%
New Hampshire											
Incentive grants	800	1,000	1,250	372	450	517	465	450	414	0.10%	0.06%
New Jersey											
Tuition aid	—	40,592	38,440	—	21,423	24,009					
Garden State scholarships	—	3,800	7,400	—	1,431	2,600					
Educational opportunity grants	12,379	12,379	11,327	8,891	6,878	6,684					
State scholarships**	14,801	7,280	5,095	7,365	3,640	2,548					
Tuition aid grants**	5,048	1,571	1,100	4,403	1,243	670					
Public tuition aid grants**	15,222	2,175	1,525	3,028	435	305					
County college scholarships**	350	174	90	171	87	45					
Incentive grants**	8,176	4,616	3,230	2,617	1,311	918					
All **New Jersey** programs	55,976	72,588	68,207	26,475	36,448	37,979	473	502	557	5.40%	4.46%
New Mexico											
Incentive grants	1,450	1,222	1,500	546	533	720	377	436	480	0.12%	0.08%
New York											
Tuition assistance	350,000	351,000	355,000	220,000	232,900	255,100					
Regents scholarships	72,000	72,000	71,340	21,400	20,000	19,400					
All **New York** programs	422,000	423,000	426,340	241,400	252,900	274,500	572	598	644	33.77%	32.21%
North Carolina											
Incentive grants	4,457	5,181	5,800	2,570	2,734	3,299	577	528	569	0.46%	0.39%
North Dakota											
Student assistance	1,037	1,011	1,250	339	327	443					
Tuition grants	—	—	200	—	—	100					
All **North Dakota** programs	1,037	1,011	1,450	339	327	543	327	323	374	0.11%	0.06%
Ohio											
Instructional grants	52,814	55,476	66,000	23,638	25,925	30,916	448	467	468	5.23%	3.63%
Oklahoma											
Tuition aid grants	7,663	7,872	10,205	1,672	1,846	2,265	218	235	222	0.81%	0.27%
Oregon											
Need grants	9,161	13,146	11,814	3,528	5,990	5,317					
Cash awards	686	792	800	325	376	390					
All **Oregon** programs	9,847	13,938	12,614	3,853	6,366	5,707	391	457	452	1.00%	0.67%

state support

	No. of winners enrolled			Dollars paid out (add 000)			Average award amount			1979-80 Per cent of total	
	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	1977-78	1978-79	1979-80*	Awards	Money
Pennsylvania											
Higher education grants	118,636	114,938	125,000	72,308	71,791	81,100	609	625	649	9.90%	9.52%
Rhode Island											
Scholarships**	2,490	2,039	1,110	2,092	1,529	1,010					
Grants	—	1,000	4,580	—	1,069	3,164					
Scholarships	—	600	—	—	641	—					
Nurse training scholarships	70	99	70	40	53	35					
Business education teachers scholarships	20	30	15	10	11	8					
War orphans scholarships	24	9	4	3	2	1					
Need based awards	3,260	—	—	652	—	—					
All **Rhode Island** programs	5,864	3,777	5,779	2,797	3,305	4,218	477	875	730	0.46%	0.49%
South Carolina											
Tuition grants	7,758	8,335	7,650	8,907	9,839	10,618	1,148	1,180	1,388	0.61%	1.25%
South Dakota											
Incentive grants	1,300	1,400	1,400	236	265	420	182	189	300	0.11%	0.05%
Tennessee											
Student assistance awards	4,958	6,124	11,098	2,977	3,668	6,200	600	599	559	0.88%	0.73%
Texas											
Tuition equalization grants	19,900	20,277	19,120	10,461	10,669	15,468					
Public education grants	5,650	5,162	7,130	2,363	279	2,981					
All **Texas** programs	25,550	25,439	26,250	12,824	10,948	18,449	502	430	703	2.08%	2.16%
Utah											
Incentive grants	1,780	4,138	3,000	1,247	1,858	1,504	701	449	501	0.24%	0.16%
Vermont											
Incentive grants	5,438	5,600	6,150	3,199	3,855	4,253	588	688	692	0.49%	0.50%
Virginia											
Scholarship assistance	8,897	8,333	14,000	2,486	3,369	3,782	279	404	270	1.11%	0.44%
Washington											
Need grants	10,474	9,188	9,350	4,292	4,046	4,796	410	440	513	0.74%	0.56%
West Virginia											
Higher education grants	5,051	5,126	4,850	2,690	2,906	3,021	533	567	623	0.38%	0.35%
Wisconsin											
Tuition grants	9,000	8,200	9,500	7,327	8,044	10,207					
Higher education grants	25,000	30,000	28,900	12,939	13,941	9,860					
Indian student grants	1,300	1,092	1,000	977	830	900					
All **Wisconsin** programs	35,300	39,292	39,400	21,243	22,815	20,967	602	581	523	3.12%	2.46%
Wyoming											
Incentive grants	95	430	500	56	195	251	589	453	502	0.04%	0.03%
American Samoa											
Scholarships	149	177	180	293	297	300	1,966	1,678	1,667	0.01%	0.04%
Guam											
Professional/technical awards	56	56	60	231	231	235	4,125	4,125	3,917	0.01%	0.03%
Northern Marianas											
Grants	—	350	360	—	496	500	—	1,417	1,389	0.03%	0.06%
Puerto Rico											
Incentive grants	1,550	1,600	1,940	1,092	1,160	1,458	705	725	752	0.15%	0.17%
Trust Territory											
Scholarships and grants	718	1,000	1,000	560	505	505	780	505	505	0.08%	0.06%
Virgin Islands											
Territorial scholarships	378	339	355	473	437	214	1,251	1,289	603	0.03%	0.03%
ALL PROGRAMS	**1,161,376**	**1,217,750**	**1,282,361**	**$737,004**	**$789,218**	**$852,295**	**$635**	**$648**	**$675**	**100%**	**100%**

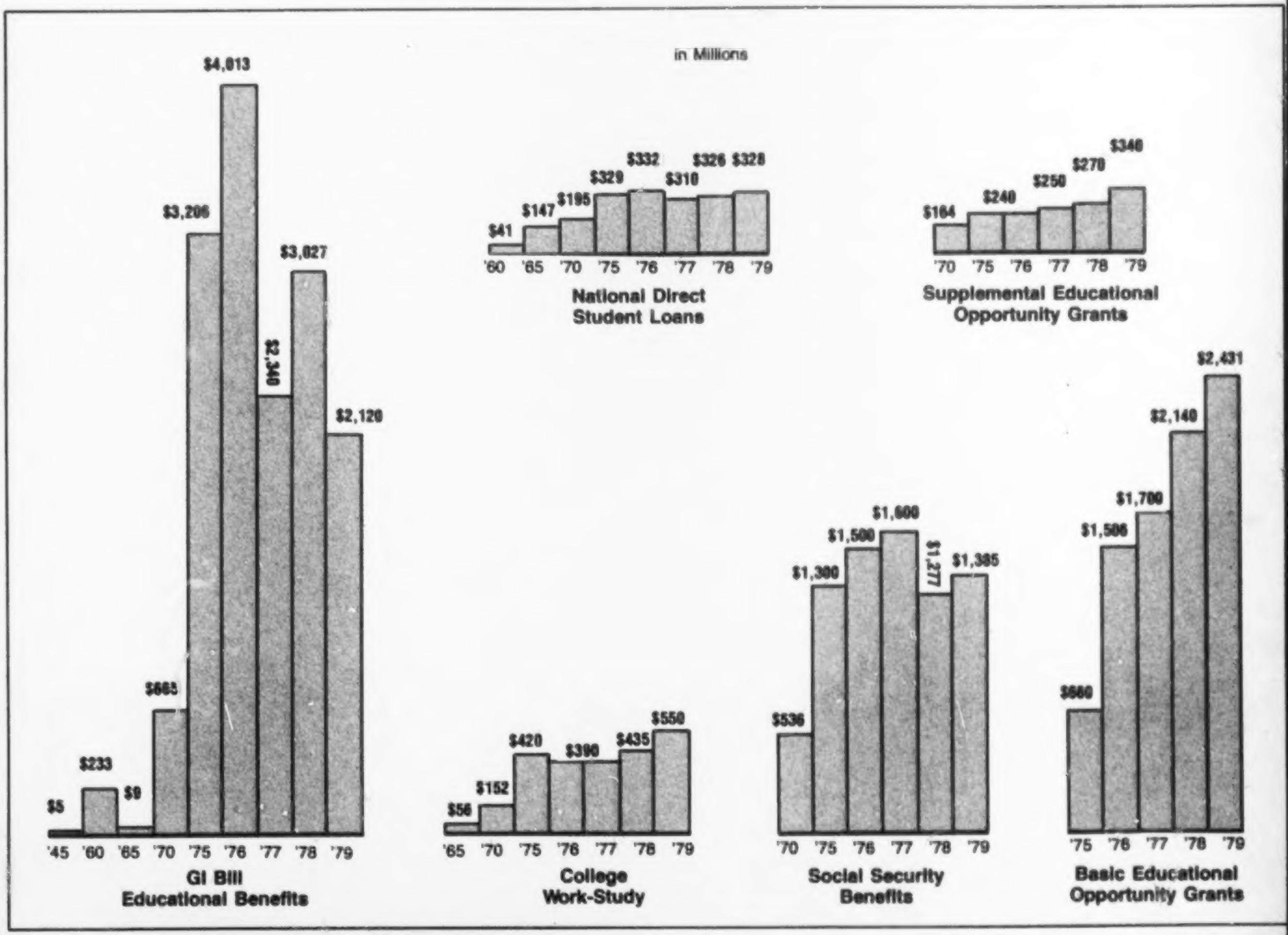
* Estimated

** Program being phased out

Federal Support

142 Development of Federal Student Aid Programs
143 Funds for Higher Education in Department of Education Budget
144 Funds for Higher Education in Other Federal Agencies

Development of Federal Student-Aid Programs



PETER H. STAFFOR

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Funds for Higher Education in Department of Education Budget

	Actual Fiscal 1979	President's Request 1981 (3/31/80)	House sub-committee rev. (5/30/80)	Senate sub-committee rev. (5/30/80)	Fiscal 1981 rev. request (5/30/80)
Student assistance:					
Basic opportunity grants	$2,431,000,000	$2,262,034,000	$2,122,034,000	$2,122,034,000	$2,159,000,000
Supplemental opportunity grants	340,100,000	370,000,000	370,000,000	370,000,000	370,000,000
College work-study	550,000,000	550,000,000	550,000,000	550,000,000	550,000,000
State student-incentive grants	76,750,000	76,750,000	76,750,000	76,750,000	76,750,000
National direct loans	328,900,000	192,800,000	300,800,000	300,800,000	0[1]
Interest on guaranteed loans	762,928,000	1,505,094,000	0	0	1,134,399,000
Basic loans	0	0	0	0	491,000,000[2]
Supplemental loans	0	0	0	0	48,600,000[2]
Programs for the disadvantaged	140,000,000	147,500,000	147,500,000	147,500,000	159,500,000
Educational information centers	3,000,000	0	3,000,000	3,000,000	0
Graduate/professional opportunities	8,000,000	8,850,000	8,850,000	8,850,000	13,000,000
Institutional assistance:					
Developing institutions	120,000,000	110,000,000	110,000,000	110,000,000	140,000,000
Minority institutions science improvement	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000
International education	20,000,000	20,000,000	20,000,000	20,000,000	30,000,000
University community services	16,000,000	9,000,000	9,000,000	9,000,000	0
Cooperative education	15,000,000	15,000,000	15,000,000	15,000,000	23,000,000
Veterans cost-of-instruction	19,000,000	14,380,000	14,380,000	14,380,000	12,039,000
Construction loan subsidies	29,000,000	29,000,000	29,000,000	29,000,000	26,000,000
College housing loans	13,338,000	12,251,000	12,251,000	12,251,000	14,450,000
Architectural barriers removal	0	0	0	0	0
College personnel development:					
Public-service fellowships	4,000,000	100,000	4,000,000	4,000,000	0
Mining fellowships	4,500,000	0	4,500,000	4,500,000	0
Library resources:					
College libraries	9,975,000	4,988,000	4,988,000	4,988,000	4,988,000
Research libraries	6,000,000	6,000,000	6,000,000	6,000,000	7,000,000
Training & demonstration	3,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Interlibrary cooperation	5,000,000	5,000,000	5,000,000	5,000,000	12,000,000
Professional development:					
Teacher centers	2,625,000	13,000,000	13,000,000	13,000,000	14,300,000
Teacher corps	37,500,000	30,000,000	30,000,000	30,000,000	37,500,000
Pre-college science teacher training	1,110,000	2,500,000	2,500,000	2,500,000	2,500,000
Administrator training	0	0	0	0	3,000,000
Migrant college assistance program	1,105,000	1,173,000	1,173,000	1,173,000	1,208,000
Vocational education	681,614,000	696,541,000	759,224,000	784,041,000	729,936,000
Adult education	100,000,000	105,000,000	105,000,000	105,000,000	122,000,000
Youth educational, employment initiative	0	0	0	0	900,000,000
Women's educational equity	9,000,000	10,000,000	10,000,000	10,000,000	20,000,000
Bilingual training grants	29,625,000	30,325,000	30,325,000	30,325,000	37,075,000
Rehabilitation training	31,500,000	28,500,000	28,500,000	28,500,000	25,500,000
National Institute of Handicapped Research	30,500,000	31,500,000	31,500,000	31,500,000	35,000,000
Legal training	3,000,000	1,000,000	1,000,000	1,000,000	1,000,000

	Actual Fiscal 1979	President's Request 1980 (3/31/80)	House sub-committee rev. (5/30/80)	Senate sub-committee rev. (5/30/80)	Fiscal 1981 rev. request (5/30/80)
Law enforcement education	25,200,000	0	0	0	0
National Institute of Education	83,088,000	77,114,000	77,114,000	74,114,000	79,050,000
Fund for Improvement of Postsec. Ed.	13,000,000	13,500,000	13,500,000	13,500,000	17,000,000
Natl. Ctr. for Education Statistics	10,561,000	9,947,000	9,947,000	9,947,000	11,793,000
Institute for Museum Services	7,852,000	10,922,000	—[3]	—[3]	12,900,000
Office for Civil Rights	45,245,000	47,739,000	46,868,000	47,473,000	49,215,000
Handicapped education:					
Innovation and development	20,000,000	20,000,000	20,000,000	20,000,000	20,000,000
Personnel development	57,687,000	55,375,000	55,375,000	55,375,000	58,000,000
Vocational, postsecondary programs	2,400,000	2,400,000	2,400,000	2,400,00	4,000,000
State postsecondary commissions	3,500,000	125,000	3,000,000	3,000,000	0
Aid to land-grant colleges	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000
Dept. of Ed. reorganization	231,135,000	238,638,000	235,816,000	235,816,000	244,181,000

1– Proposed to be phased out under Administration's plans for revising loan programs under the Higher Education Act.
2– New loan program proposed under Administration's revisions in Higher Education Act.
3– Not yet reviewed (5/30/80).

Funds for Higher Education in Other Federal Agencies

DEPARTMENT OF HEALTH AND HUMAN SERVICES	Actual Fiscal 1979	Fiscal 1980 Estimated (prior to revision)	Fiscal 1980 Supplemental (prior to revision)	Fiscal 1981 Requested (prior to revision)
Alcohol, Drug Abuse, & Mental Health Administration:				
Mental-health research grants	$120,633,000	$146,033,000	$788,000	$162,964,000
Mental-health training grants	79,619,000	90,354,000	0	90,354,000
Drug-abuse research grants	37,808,000	46,080,000	0	50,420,000
Drug-abuse training grants	8,817,000	8,680,000	0	7,644,000
Alcoholism research grants	19,562,000	22,317,000	0	25,168,000
Alcoholism training grants	6,334,000	7,200,000	0	5,821,000
Health Resources Administration:				
Health professions education	499,350,000	500,035,000[1]	0	325,691,000
National Health Service Corps scholarships	75,000,000	86,000,000	0	94,000,000
Nursing programs	106,000,000	106,000,000	0	29,000,000
Primary care residencies	58,000,000	65,000,000	0	83,000,000
Financial distress grants	5,000,000	7,000,000	2,400,000	9,200,000
Health services research	22,169,000	30,084,000	0	34,617,000
Health Services Administration:				
National Health Service Corps	63,000,000	82,000,000	0	134,000,000
Maternal, child health research & training	27,583,000	31,843,000	0	31,043,000
Indian health manpower	6,312,000	6,688,000	0	6,688,000
National Institutes of Health:				
Cancer Institute	936,737,000	1,003,681,000	0	1,007,800,000
Heart, Lung, & Blood Institute	510,134,000	528,851,000	0	548,399,000
Institute of Dental Research	65,213,000	66,901,000	0	70,451,000

	Actual Fiscal 1979	Fiscal 1980 Estimated	Fiscal 1980 Supplemental	Fiscal 1981 Requested
Institute of Arthritis, Metabolism, & Digestive Diseases	302,767,000	342,830,000	0	365,711,000
Institute of Neurological Disorders & Stroke	212,365,000	242,757,000	0	249,807,000
Institute of Allergy & Infectious Diseases	191,328,000	216,247,000	0	228,412,000
Institute of General Medical Sciences	277,628,000	312,628,000	0	331,639,000
Institute of Child Health & Human Development	197,630,000	209,785,000	0	217,531,000
Institute on Aging	56,911,000	70,228,000	0	75,317,000
Eye Institute	105,192,000	113,449,000	0	116,562,000
Institute of Environmental Health Sci.	78,080,000	84,300,000	0	97,269,000
Research Resources	154,164,000	169,302,000	0	184,439,000
Library of Medicine	8,989,000	9,095,000	0	9,181,000
Social Security Education Benefits	1,385,000,000	1,565,000,000	0	1,752,000,000
Social services training benefits	90,000,000	89,000,000	0	116,000,000
OTHER AGENCIES				
Action:				
Peace Corps	$ 99,179,000	$ 105,795,000	$ 795,000	$ 118,800,000
VISTA	30,416,000	30,800,000	0	43,782,000
Department of Agriculture:				
Science and Education Administration:				
Agriculture research	342,474,000	378,828,000	0	402,739,000
Education programs	275,399,000	285,537,000	0	298,134,000
Cooperative research:				
Agriculture research stations	106,522,000	115,253,000	0	122,249,000
Support for black land-grant colleges[2]	16,360,000	17,765,000	0	23,867,000
Competitive research grants	15,000,000	16,000,000	0	25,000,000
Special agriculture research grants	16,273,000	17,698,000	0	15,810,000
Institute for Scientific and Technological Cooperation	0	23,750,000	0	95,000,000
Corporation for Public Broadcasting	120,200,000	152,000,000	0	162,000,000
Department of Defense:				
University research[3]	341,000,000	376,000,000	0	416,000,000
Department of Energy:				
General science	309,306,000	341,945,000	0	376,695,000
University research[3]	281,000,000	320,000,000	0	361,000,000
National Arts Endowment	149,585,000	154,702,000	302,000	167,960,000
National Humanities Endowment	145,231,000	150,379,000	279,000	164,325,000
Reserve officer training student support:				
Army	42,400,000	46,932,000	0	50,888,000
Navy & Marine Corps	26,061,000	29,122,000	0	31,630,000
Air Force	30,533,000	30,336,000	0	33,732,000[4]
Sea-Grant Program	33,591,000	36,285,000	0	36,309,000
Veterans' higher education benefits	2,120,000,000	1,757,000,000	0	1,535,000,000
Comprehensive Employment & Training Administration's youth programs	2,024,000,000	2,101,000,000	0	2,789,000,000
National Science Foundation, total	911,000,000,	990,506,000	840,000	1,148,00
Research:				
Mathematical & physical sciences	208,865,000	226,412,000	0	264,70
Astronomical & earth sciences	211,615,000	217,862,000	0	240,000,

federal support

	Actual Fiscal 1979	Fiscal 1980 Estimated (prior to revision)	Fiscal 1980 Supplemental (prior to revision)	Fiscal 1981 Requested (prior to revision)
U. S. Antarctic program	51,091,000	55,840,000	0	63,400,000
Ocean drilling programs	11,625,000	19,475,000	0	29,600,000
Biological & social sciences	154,704,000	166,531,000	0	181,100,000
Engineering & applied sciences	109,860,000	110,334,000	0	134,500,000
Technological & international affairs	23,562,000	27,103,000	0	28,100,000
Inter-disciplinary programs	16,863,000	26,025,000	0	54,700,000
Program management	54,766,000	60,564,000	0	60,700,000
Total research	827,000,000	906,806,000	0	1,056,800,000
Education:				
Scientific manpower improvement	33,072,000	31,601,000	0	35,200,000
Science education improvement	28,606,000	23,987,000	0	24,2[illegible]
Science education research	12,015,000	14,942,000	0	17,50[illegible]
Science and society	6,287,000	7,670,000	0	[illegible]
Total education	$80,000,000	$78,200,000	0	$85,700,000

1- Administration is asking Congress to rescind $104,218,000 for enrollment-based grants to health-professions schools and student loan programs.
2- Includes $5-million in matching grants to assist colleges to improve their existing research facilities and to build new ones.
3- Obligations.
4- Tentative estimate.

Giving

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155 Grants of 50 Major Foundations, 1978-79 (with assets)

Who Gave How Much to Higher Education, 1978-79

	Major private universities (73)	Private men's colleges (6)	Private women's colleges (73)	Private coeducational colleges (449)
Volume of support				
Grand total of support	$1,001,888,351 (100.0%)	$20,229,520 (100.0%)	$80,856,100 (100.0%)	$624,425,047 (100.0%)
Current operations	562,114,985 (56.1%)	5,180,079 (25.6%)	40,046,488 (49.5%)	327,695,550 (52.5%)
Capital purposes	439,773,366 (43.9%)	15,049,441 (74.4%)	40,809,612 (50.5%)	296,729,497 (47.5%)
Sources of support				
Business corporations	$153,088,808 (15.3%)	$1,397,183 (6.8%)	$7,509,724 (9.3%)	$86,788,154 (13.9%)
Religious denominations	26,171,588 (2.5%)	2,107,981 (10.4%)	4,583,174 (5.7%)	80,985,201 (13.0%)
Alumni	288,502,670 (28.8%)	4,501,914 (22.3%)	35,587,146 (44.0%)	141,467,230 (22.7%)
Non-alumni individuals	226,379,804 (22.6%)	8,933,090 (44.2%)	16,257,238 (20.1%)	178,405,009 (28.6%)
Foundations	244,038,334 (24.4%)	2,257,586 (11.2%)	14,546,870 (18.0%)	112,966,740 (18.0%)
Other sources	63,707,147 (6.4%)	1,031,766 (5.1%)	2,371,948 (2.9%)	23,812,713 (3.8%)
Support through the annual fund				
Total number of alumni of record	4,362,017	60,648	599,586	4,267,577
Number of alumni solicited, annual fund	3,657,059	49,579	540,073	3,673,449
Number of alumni donors to annual fund	797,797	16,407	179,456	794,419
Dollar value of alumni gifts to annual fund	$100,622,365	$2,000,549	$19,689,379	$66,541,637
Dollar value of non-alumni parents' gifts to annual fund	4,192,319	173,292	3,355,477	7,001,895
Dollar value of total gifts to annual fund	$152,450,904	$3,706,005	$33,492,927	$178,831,377
Total non-alumni parent support				
Number of non-alumni parent donors for all purposes	32,116	1,401	14,304	71,654
Contributions by non-alumni parents for all purposes	$7,146,182	$232,526	$4,899,395	$16,026,606
Corporations' matching gifts				
Support from corporation matching-gift programs	$11,294,945	$217,903	$1,612,454	$8,984,715
Total number of gifts matched	64,168	1,451	10,193	55,029

	Professional and specialized schools (67)	Public institutions (214)	2-Year institutions (90)	total (972)
Volume of support				
Grand total of support	$95,266,584 (100.0%)	$715,156,367 (100.0%)	$18,173,311 (100.0%)	$2,555,995,280 (100.0%)
Current operations	51,387,154 (53.9%)	514,306,958 (71.9%)	11,967,605 (65.9%)	1,512,698,819 (59.2%)
Capital purposes	43,879,430 (46.1%)	200,849,409 (28.1%)	6,205,706 (34.1%)	1,043,296,461 (40.8%)
Sources of support				
Business corporations	$12,004,889 (12.6%)	$175,374,901 (24.5%)	$2,514,089 (13.8%)	$438,677,748 (17.2%)
Religious denominations	10,687,497 (11.2%)	281,512 (——)	2,344,474 (12.9%)	127,161,427 (5.0%)
Alumni	12,058,262 (12.7%)	136,456,879 (19.1%)	1,773,329 (9.8%)	620,347,430 (24.3%)
Non-alumni individuals	29,945,008 (31.4%)	113,756,444 (15.9%)	8,472,474 (46.6%)	582,149,067 (22.8%)
Foundations	27,129,219 (28.5%)	150,798,704 (21.1%)	2,065,589 (11.4%)	553,803,042 (21.7%)
Other sources	3,441,709 (3.6%)	138,487,927 (19.4%)	1,003,356 (5.5%)	233,856,566 (9.0%)
Support through the annual fund				
Total number of alumni of record	371,655	9,370,303	328,046	19,359,832
Number of alumni solicited, annual fund	326,753	6,979,650	197,397	15,423,960
Number of alumni donors to annual fund	52,978	902,156	19,914	2,763,127
Dollar value of alumni gifts to annual fund	$4,484,011	$72,346,931	$1,229,164	$266,914,036
Dollar value of non-alumni parents' gifts to annual fund	365,712	569,797	157,255	15,815,747
Dollar value of total gifts to annual fund	$13,481,548	$132,370,578	$3,828,100	$518,161,439
Total non-alumni parent support				
Number of non-alumni parent donors for all purposes	4,713	24,920	1,996	151,104
Contributions by non-alumni parents for all purposes	$396,947	$1,211,063	$219,737	$30,132,456
Corporations' matching gifts				
Support from corporation matching-gift programs	$718,072	$4,149,669	$150,829	$27,128,587
Total number of gifts matched	4,847	36,813	1,112	173,613

SOURCE: COUNCIL FOR FINANCIAL AID TO EDUCATION

Fund-Raising Progress on 102 Campuses

Institution	Starting date	Campaign Goal	Progress	Reporting date
Abilene Christian University	3/25/65	$ 72,462,000	47,206,262	12/31/79
American College	5/1/75	20,000,000	20,000,000	6/79
Atlanta University	8/1/75	16,000,000	5,260,000	12/31/79
Austin College	1/70	40,000,000	33,700,000	11/79
Baylor University	10/1/79	100,000,000	5,000,000	11/1/79
Boston College	4/12/76	21,000,000	17,600,000	11/28/79
Bowdoin College	9/5/72	38,000,000	28,000,000	10/79
University of Bridgeport	5/31/77	30,000,000	15,784,424	10/31/79
California Institute of Technology	1/14/74	130,000,000	122,494,000	10/31/79
California Lutheran College	6/75	12,500,000	8,033.000	11/26/79
Carleton College	9/1/73	19,500,000	19,900,000	11/79
Carnegie-Mellon University	10/27/76	100,000,000	87,000,000	11/15/79
Carson-Newman College	10/17/75	10,000,000	4,500,000	12/79
Case Western Reserve University	2/76	215,000,000	157,000, 000	11/26/79
University of Chicago*	11/14/74	280,000,000	210,000,000	6/78
University of Cincinnati	3/79	43,100,000	1,000,000	12/30/79
City College of New York	11/75	25,000,000	25,364,024	8/79
Claremont Men's College	7/1/75	18,450,000	16,412,000	10/79
Clark College	3/73	33,600,000	14,000,000	10/79
Clark University	5/76	16,500,000	15,500,000	10/30/79
University of Colorado	6/1/75	12,700,000	5.200,000	12/31/79
Colorado School of Mines	2/77	63,510,000	22,500,000	11/79
Converse College	7/1/73	25,000,000	14,600,000	12/31/79
Cornell University	10/10/75	230,000,000	168,000,000	10/31/79
Dartmouth College	11/77	160,000,000	85,000,000	10/31/79
Davidson College	7/1/76	35,000,000	10,500,000	11/1/79
Denison University	10/78	17,000,000	10,450,000	10/79
University of Denver	3/2/78	50,000,000	30,038,276	10/79
University of Detroit	11/15/76	33,000,000	8,200,000	10/30/79
Drexel University	2/75	36,400,000	30,100,000	12/79
Emory University	9/79	160,000,000	109,000,000	11/9/79
Erskine College	1/76	13,100,000	9,316,362	11/8/79
Grinnell College	2/26/78	18,000,000	12,265,000	9/28/79
Hamilton College	3/7/76	16,000,000	15,000,000	11/7/79
University of Hartford	4/18/73	25,000,000	15,410,345	9/30/79
Harvard University	10/79	250,000,000	52,000,000	11/79

Institution	Starting date	Campaign Goal	Progress	Reportin date
Harvey Mudd College	6/75	25,000,000	22,000,000	11/31/
Haverford College	5/22/76	20,000,000	19,105,240	12/
Hendrix College	1/75	17,500,000	11,570,224	10/31/
Hillsdale College	7/76	29,000,000	20,000,000	11/13/
University of Houston	1/77	23,500,000	25,154,000	12/30/
Howard University	7/77	100,000,000	38,037,610	11/30/
Illinois Institute of Technology	5/78	100,000,000	42,000,000	11/8/
Juilliard School	9/13/71	36,000,000	25,000,000	11/
Juniata College	10/27/79	13,000,000	no progress	11/5/
Lehigh University	4/72	75,000,000	45,000.000	11/7/
Lenoir-Rhyne College	10/1/70	12,000,000	12,051,098	12/31/
Loyola University (Ill.)	9/23/70	180,000,000	182,400,000	5/18/
Marquette University	12/14/76	40,000,000	38,354,779	12/
Massachusetts Institute of Technology	4/23/75	225,000,000	228,000,000	11/
Mercer University*	10/22/73	50,000,000	35,300,000	12/
Miami University	2/1/78	14,000,000	11,166,651	11/1/
University of Miami	10/15/76	129,000,000	82,450,171	11/
University of Michigan Law School	10/1/76	10,000,000	13,500,000	10/24/
Mount Holyoke College	3/72	40,000,000	31,500,000	7/
University of Nebraska	9/23/77	25,000,000	23,104,500	11/5/
New York University	1/76	225,000,000	115,000,000	9/30/
Northwestern University	1973	177,000,000	178,000,000	6/
University of Notre Dame	4/15/77	130,000,000	153,825,226	11/
Occidental College	6/74	42,000,000	22,000,000	12/
Ohio Northern University	5/75	13,100,000	12,097,673	10/31/
Ohio University	9/6/77	14,000,000	19,514,753	9/17/
Ohio Wesleyan University	7/1/72	27,000,000	18,700,000	11/5/
University of Pennsylvania	10/3/75	255,000,000	211,531,[illegible]	[illegible]
University of Pittsburgh	3/72	17,000,000	17,731,913	2/
Presbyterian College	6/14/76	10,000,000	6,423,000	1/1
University of Puget Sound	2/27/78	45,000,000	16,000,000	12/
Randolph-Macon Woman's College	11/69	20,000,000	27,040,463	12/
Reed College	5/24/72	25,000,000	25,000,000	6/30/

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Institution	Starting date	Campaign Goal	Progress	Reporting date
Rice University	1/1/76	42,740,000	16,820,145	12/31/79
University of Richmond	10/4/72	50,000,000	43,000,000	2/16/79
Rochester Institute of Technology*	11/28/73	42,000,000	42,000,000	10/79
University of Rochester	12/75	102,000,000	85,300,000	11/1/79
Rockefeller University	7/78	150,000,000	29,500,000	11/79
Roosevelt University	9/1/76	10,000,000	6,500,000	10/15/79
Rutgers University	2/76	33,000,000	23,100,000	6/16/79
St. John's University (N.Y.)	6/1/70	14,000,000	9,439,086	11/30/79
St. Lawrence University	7/1/72	30,000,000	26,000,000	11/1/79
St. Louis University	7/73	80,000,000	60,000,000	111/79
College of St. Thomas (Minn.)	1/79	14,403,000	9,194,791	10/79
Skidmore College	7/77	12,500,000	7,237,000	12/31/79
Smith College	1/77	40,000,000	28,000,000	11/79
Southern Baptist Theological Seminary	11/76	10,000,000	7,543,656	11/1/79
University of Southern California	4/76	265,340,000	225,600,000	10/31/79
Southern Methodist University	5/77	153,000,000	63,000,000	12/79
Southwestern University	6/76	19,000,000	3,854,729	12/79
Syracuse University	2/73	35,000,000	50,071,000	12/79
University of Tennessee**	7/77	35,000,000	34,409,282	11/79
Texas A&M University	5/79	17,000,000	2,500,000	1/80
Thomas Jefferson University	1/73	25,000,000	20,623,728	9/30/79
University of Toledo	4/1/73	10,500,000	8,279,000	11/9/79
University of Tulsa	10/78	43,000,000	32,600,000	10/10/79
Valparaiso University	9/74	28,150,000	28,421,824	12/31/78
Vanderbilt University	10/77	150,000,000	100,643,000	10/31/79
Virginia Union University	4/15/72	18,000,000	9,239,053	6/79
Washington & Lee University	7/1/70	62,000,000	49,100,000	12/31/79
Wellesley College	3/9/73	70,708,000	51,056,858	6/30/79
Wesleyan University	9/27/72	23,000,000	12,700,000	7/1/79
College of William & Mary	6/76	19,000,000	21,405,026	11/30/79
Williams College	4/27/74	50,000,000	39,000,000	11/79
Yale University	4/24/74	370,000,000	374,340,000	6/30/79
Yeshiva University	12/79	125,000,000	16,000,000	12/31/79

** Figures for University of Tennessee include the university-wide campaign.

SOURCE: AMERICAN ASSOCIATION OF FUND-RAISING COUNSEL

Average Alumni Gifts

Range from $13 to $333

66 major private universities	Alumni gifts to annual fund 1977-78	Per cent of alumni who gave	Average gift per alumnus
Adelphi U.	$ 118,610	19.8%	$ 19.28
Baylor U.	99,402	18.5%	13.47
Boston C.	508,770	16.0%	50.04
Boston U.	967,261	16.3%	47.75
Bradley U.	92,498	6.2%	57.81
Brandeis U.	327,085	27.9%	94.34
Brown U.	1,328,388	26.2%	97.67
Cal. Inst. of Tech.	683,325	35.4%	150.78
Carnegie-Mellon U.	443,653	12.2%	91.70
Case Western Reserve U.	1,674,805	24.4%	98.70
Catholic U.	353,017	8.5%	82.77
Claremont C.	887,096	24.5%	108.21
Clark U.	177,646	25.7%	51.81
Columbia U.	2,793,790	15.0%	126.80
Cornell U	4,822,111	19.8%	161.78
Dartmouth C.	4,090,344	56.1%	198.07
U. of Dayton	320,450	10.8%	82.63
U. of Denver	476,886	11.1%	70.32
De Paul U.	77,437	3.9%	42.06
U. of Detroit	375,907	6.1%	162.10
Drake U.	182,948	18.1%	25.33
Duke U.	1,270,084	18.7%	118.93
Duquesne U.	315,958	17.7%	46.99
Emory U.	1,194,940	26.9%	119.21
Fairleigh Dickinson U.	140,171	8.4%	37.68
Fordham U.	522,524	10.2%	93.16
George Washington U.	459,754	19.8%	34.15
Georgetown U.	1,011,580	20.5%	91.64
Harvard U.	9,861,947	26.0%	193.96
Hofstra U.	171,992	7.9%	47.78
Johns Hopkins U.	1,339,681	23.6%	90.67
Lehigh U.	1,435,256	33.8%	159.81
Long Island U.	82,136	4.8%	31.82
56 major private universities	**Alumni gifts to annual fund 1977-78**	**Per cent of alumni who gave**	**Average gift per alumnus**
Loyola U.	234,220	8.8%	117.29
Loyola U. of Chicago	3,168,891	16.7%	333.53
Marquette U.	463,684	17.4%	50.22
Mass. Inst. of Tech.	4,827,806	33.2%	231.56
U. of Miami	1,267,214	12.9%	155.24
New York U.	2,033,530	25.9%	47.59
Northeastern U.	343,677	12.9%	32.47
Northwestern U.	1,030,321	12.6%	54.29
U. of Notre Dame	4,548,651	41.0%	214.53
U. of the Pacific	105,760	17.0%	30.80
U. of Pennslvania	3,192,778	17.8%	111.29
U. of Pittsburgh	1,082,909	18.8%	52.10
U. of Portland	69,413	20.1%	28.75
Princeton U.	4,151,942	44.3%	201.12
Rensselaer Poly. Inst.	580,052	26.3%	67.00
Rice U.	1,196,960	36.4%	163.65
U. of Rochester	636,609	25.6%	52.11
St. John's U.	113,563	5.6%	38.03
St. Louis U.	535,603	9.1%	98.40
U. of Santa Clara	885,582	16.5%	244.37
Southern Methodist U.	704,201	9.1%	140.08
Stanford U.	5,309,566	25.4%	169.06
Syracuse U.	849,438	17.0%	34.48
Temple U.	482,177	9.4%	42.58
Texas Christian U.	235,307	14.2%	51.74
Tufts U.	939,490	18.9%	100.47
Tulane U.	1,496,668	25.4%	130.38
U. of Tulsa	88,810	3.2%	94.88
Vanderbilt U.	963,683	25.9%	75.71
Villanova U.	309,642	16.2%	56.19
Wake Forest U.	869,566	25.8%	137.85
Washington U.	865,235	24.7%	58.04
Yale U.	5,235,421	33.0%	159.98

SOURCE: COUNCIL FOR FINANCIAL AID TO EDUCATION

Corporate Gifts to Higher Education by Type of Industry

A survey of 759 corporations revealed that gifts to educational institutions in 1978 averaged $1.79 for each $1,000 of pre-tax income, up from $1.70 the year before. Listed are the gifts per $1,000 of pre-tax income, by types of industry.

	1977	1978
Rubber	$2.37	$4.09
Mining	6.10	3.98
Textiles/apparel	3.31	3.46
Primary metal	16.28	3.36
Printing/publishing	3.10	3.23
Stone/clay/glass	2.54	3.08
Pharmaceuticals	3.01	2.95
Paper/allied prod.	2.44	2.66
Chemicals	2.78	2.52
Food/bev./tobacco	1.87	2.21
Elect. machinery	2.04	2.17
Life insurance	1.59	1.98
Fabricated metal	1.74	1.94
Banks	2.04	1.87
Merchandising	1.72	1.85
Transportation equip.	1.56	1.80
Business services	2.77	1.76
Machinery	1.80	1.59
Transportation	1.10	1.56
Petroleum/gas	1.22	1.42
Finance	1.18	1.24
Engineering const.	1.34	1.13
Proprty,liab. ins.	.87	1.10
Telecommunications	.79	.92
Utilities	.79	.73

SOURCE: CFAE

Gifts and Bequests to 70 Colleges and Universities in 1978-79, and 3-Year Averages

1979 Rank	Institution	1978-79	3-year average 1976-77 — 1978-79
	Larger colleges and universities		
1.	Harvard University	$67,003,000	$65,172,000
2.	Stanford University	64,514,000	58,371,000
3.	Yale University	57,3[illegible]	43,678,000
4.	Cornell University	38,4[illegible]	33,023,000
5.	U. of Southern California	37,956,000	36,08[illegible],000
6.	University of Minnesota	37,847,000	34,912,[illegible]
7.	Columbia University	37,692,000	39,800,000
8.	University of Michigan	37,594,000	31,024,000
9.	Dartmouth College	36,849,000	23,694,000
10.	University of Pennsylvania	35,742,000	33,218,000
11.	Massachusetts Inst. of Technology	33,943,000	30,725,000
12.	Case Western Reserve University	33,232,000	30,103,000
13.	University of Chicago	30,262,000	31,368,000
14.	Johns Hopkins University and Hospital	28,442,000	26,473,000
15.	Northwestern University	2[illegible],669,000	22,980,000
16.	New York University	24,545,000	23,139,000
17.	Princeton University	24,118,000	23,177,000
18.	University of Illinois	23,748,000	21,857,000
19.	University of California, Los Angeles	23,110,000	22,591,000
20.	Vanderbilt University	15,622,000	13,371,000
21.	University of Notre Dame	15,472,000	14,979,000
22.	University of California, Berkeley	14,702,000	14,288,000
23.	University of Iowa	14,169,000	11,510,000
24.	Loyola University of Chicago	12,756,000	11,431,000
25.	Southern Methodist University	12,426,000	11,189,000
26.	Brown University	12,053,000	9,875,000
27.	Ohio State University	11,740,000	11,228,000
28.	Tulane University	11,467,000	10,593,000
29.	Univesity of California, San Francisco	9,768,000	8,679,000
30.	University of California, San Diego	8,956,000	6,289,000
31.	Georgetown University	7,250,000	7,938,000
32.	Univeristy of California, Davis	6,497,000	6,109,000
33.	Lehigh University	6,445,000	6,851,000
34.	Carnegie-Mellon University	6,351,000	5,859,000
35.	University of Cincinnati	5,947,000	5,635,000
36.	Rutgers University	1,265,000	4,001,000
37.	University of Califorinia, Irvine	1,203,000	1,799,000
38.	University of California, Santa Barbara	1,167,000	1,178,000

1979 Rank	Institution	1978-79	3-year average 1976-77 — 1978-79
	Larger colleges and universities (continued)		
39.	University of California, Riverside	987,000	1,303,000
40.	University of California, Santa Cruz	753,000	619,000
	Total for 40 institutions	**$875,002,000**	**$797,313,000**
	Smaller colleges and universities		
1.	Pomona College	9,823,000	7,812,000
2.	Williams College	7,255,000	7,364,000
3.	Wabash College	6,984,000	6,989,000
4.	Stevens Institute of Technology	6,100,000	3,321,000
5.	Vassar College	4,731,000	4,870,000
6.	Bucknell University	3,934,000	2,894,000
7.	Davidson College	3,134,000	2,930,000
8.	Oberlin College	2,790,000	3,559,000
9.	Wesleyan University	2,652,000	2,621,000
10.	Middlebury College	2,509,000	2,111,000
11.	Trinity College, Connecticut	2,471,000	2,427,000
12.	College of the Holy Cross	2,409,000	2,166,000
13.	Bowdoin College	2,357,000	2,932,000
14.	Carleton College	2,112,000	3,201,000
15.	Beloit College	2,046,000	1,702,000
16.	Haverford College	1,983,000	3,[illegible],000
17.	Lafayette College	1,971,000	2,384,000
18.	Antioch College	1,943,000	1,589,000
19.	Hobart & William Smith Colleges	1,821,000	2,172,000
20.	Hampton Institute	1,336,000	1,843,000
21.	Colby College	1,278,000	1,970,000
	Total for 21 institutions	**$71,639,000**	**$69,566,000**
	Women's colleges		
1.	Smith College	$11,050,000	$ 9,970,000
2.	Wellesley College	8,621,000	8,317,000
3.	Mount Holyoke	5,109,000	5,167,000
4.	Bryn Mawr College	4,098,000	4,019,000
5.	Radcliffe College	3,820,000	2,295,000
6.	Barnard College	2,679,000	1,842,000
7.	Mills College	2,343,000	2,027,000
8.	Goucher College	1,301,000	1,294,000
9.	Trinity College (D.C.)	667,000	711,000
	Total for 9 institutions	**$39,688,000**	**$35,642,000**

SOURCE: BRAKELEY, JOHN PRICE JONES INC.

Grants of 50 Major Foundations, 1978 and 1979 (with assets)

1979 Rank	Foundation	1978 grant payments	1979 grant payments	Assets at year-end (market value)
1.	Ford Foundation	$132,311,000	$109,633,000	$2,300,000,000
2.	Andrew W. Mellon Foundation	42,681,000	50,796,000	827,000,000
3.	Rockefeller Foundation	42,535,000	44,043,000	805,572,000
4.	W. K. Kellogg Foundation	41,656,000	43,679,000	792,274,000
5.	Pew Memorial Trust	35,891,000	41,467,000	890,220,000
6.	Robert Wood Johnson Foundation	44,776,000	39,500,000	877,606,000
7.	Rockefeller Brothers Fund	19,811,000	32,642,000	160,654,000[1]
8.	Charles Stewart Mott Foundation	28,453,000	28,938,000	107,184,000
9.	Kresge Foundation	25,269,000	27,910,000	608,575,000
10.	Duke Endowment	28,426,000	27,284,000	363,590,000
11.	Lilly Endowment	21,041,000	20,704,000	812,877,000
12.	Carnegie Corporation of New York	13,096,000	13,857,000	295,412,000
13.	Houston Endowment	12,396,000	13,658,000	263,000,000[1]
14.	Alfred P. Sloan Foundation	13,437,000	13,141,000	252,000,000
15.	Richard King Mellon Foundation	9,400,000	12,909,000	274,474,000
16.	Edna McConnell Clark Foundation	10,650,000	11,396,000	199,000,000
17.	James Irvine Foundation	7,389,000	9,358,000	208,451,000
18.	Henry J. Kaiser Family Foundation	6,465,000	8,968,000	186,110,000
19.	Vincent Astor Foundation	6,081,000	8,505,000	54,201,000
20.	Bush Foundation	8,523,000	8,303,000	217,830,000
21.	Amon G. Carter Foundation	6,223,000	8,219,000	102,249,000
22.	Moody Foundation	2,906,000	8,205,000	210,000,000[1]
23.	Commonwealth Fund	6,885,000	7,605,000	129,096,000
24.	Robert A. Welch Foundation	6,881,000	7,333,000	123,210,000
25.	Surdna Foundation	7,189,000	7,212,000	116,357,000
26.	Northwest Area Foundation	5,051,000	6,870,000	114,339,000
27.	William Penn Foundation	6,018,000	6,847,000	101,922,000
28.	Frank E. Gannet Newspaper Foundation	5,069,000	6,317,000	201,000,000
29.	William R. Kenan, Jr. Charitable Trust	4,504,000	5,637,000	100,843,000
30.	Charles F. Kettering Foundation	5,445,000	5,509,000	74,519,000
31.	John A. Hartford Foundation	4,195,000	5,309,000	118,561,000
32.	Z. Smith Reynolds Foundation	4,834,000	5,096,000	83,746,000[2]
33.	John Simon Guggenheim Memorial Foundation	5,000,000	5,081,000	85,769,000
34.	Sarah Scaife Foundation	5,606,000	4,775,000	97,973,000
35.	George Gund Foundation	4,340,000	4,643,000	80,000,000[1]

Grants of 50 Major Foundations—Continued

1979 Rank	Foundation	1978 grant payments	1979 grant payments	Assets at year-end (market value)
36.	Claude Worthington Benedum Foundation	4,240,000	4,240,000[3]	74,000,000[3]
37.	Howard Heinz Endowment	3,260,000	4,116,000	77,969,000
38.	Callaway Foundation	4,846,000	3,934,000	82,012,000
39.	Charles A. Dana Foundation	5,883,000	3,682,000	90,211,000
40.	Henry Luce Foundation	2,935,000	3,447,000	78,455,000
41.	El Pomar Foundation	3,271,000	3,412,000	72,000,000
42.	Charles Hayden Foundation	3,267,000	3,061,000	71,760,000
43.	Smith Richardson Foundation	2,829,000	2,746,000	73,399,000
44.	Mary Flagler Cary Charitable Trust	3,230,000	2,497,000	65,432,000
45.	William T. Grant Foundation	1,678,000	2,445,000	61,000,000
46.	Research Corporation	2,527,000	2,340,000	44,732,000
47.	Tinker Foundation	1,634,000[4]	1,817,000[4]	28,794,000
48.	John & Mary R. Markle Foundation	2,217,000	1,529,000	47,574,000
49.	Danforth Foundation	1,533,000	1,269,000	68,135,000
50.	Elliott White Springs Foundation	1,101,000	1,201,000	18,864,000
Totals		**$674,886,000**	**$703,085,000**	**$13,195,953,000**

[1] Estimate
[2] Includes assets and excise taxes of two trusts
[3] 1978 figures
[4] Grants and fellowships

SOURCE: AMERICAN ASSOCIATION OF FUND-RAISING COUNSEL, INC.

Students

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Opening Fall Enrollments in 1977, 1978, and 1979

	Total enrollment for all institutions	Publicly controlled institutions					Privately controlled institutions				
		All students				First-time students	All students				First-time students
		Men		Women			Men		Women		
		Full-time	Part-time	Full-time	Part-time		Full-time	Part-time	Full-time	Part-time	
All institutions											
1977	11,415,020	2,698,557	1,801,586	2,370,514	2,036,934	1,936,019	997,204	348,715	829,534	331,940	495,581
1978	11,391,950	2,579,748	1,776,914	2,337,695	2,148,844	1,922,057	991,967	349,205	861,201	346,376	500,341
1979	11,707,126	2,590,775	1,803,675	2,416,002	2,285,952	2,027,672	997,420	348,681	897,229	367,392	510,447
1978-79 change	+2.8%	+0.4%	+1.5%	+3.3%	+6.4%	+5.5%	+0.5%	−0.2%	+4.2%	+6.1%	+2.0%
1977-79 change	+2.5%	−3.9%	+0.1%	+1.9%	+12.2%	+4.7%	0.0%	0.0%	+0.1%	+10.7%	+3.0%
Universities											
1977	2,817,264	907,507	241,131	695,431	249,746	301,084	303,286	114,950	202,794	102,376	95,171
1978	2,804,264	890,346	240,119	702,443	252,922	302,989	303,011	108,498	207,342	99,583	96,081
1979	2,862,398	897,137	237,800	726,923	260,481	315,277	305,840	109,498	216,869	107,850	99,124
1978-79 change	+2.1%	+0.8%	−1.0%	+3.5%	+3.0%	+4.1%	+0.9%	+0.9%	+4.6%	+8.3%	+3.2%
1977-79 change	+1.6%	−1.1%	−1.4%	+4.5%	+4.3%	+4.7%	+0.8%	−4.7%	+6.9%	+5.3	+4.2%
Other 4-year institutions											
1977	4,518,772	981,292	461,654	930,830	526,989	444,276	637,792	218,202	505,698	211,344	322,493
1978	4,522,654	947,242	452,728	930,296	544,282	441,555	631,562	223,566	568,431	224,747	323,080
1979	4,594,701	950,122	443,152	954,451	556,876	452,619	636,406	224,622	593,571	235,501	330,551
1978-79 change	+1.6%	+0.3%	−2.1%	+2.6%	+2.3%	+2.5%	+0.8%	+0.5%	+4.4%	+4.8%	+2.3%
1977-79 change	+1.7%	−3.2%	−4.0%	+2.5%	+5.7%	+1.9%	−0.2%	+2.9%	+17.4%	+111.4%	+2.5%
Two-year institutions											
1977	4,078,984	809,695	1,098,801	744,253	1,260,219	1,190,679	56,146	15,599	76,051	18,220	77,917
1978	4,064,832	742,160	1,084,067	704,956	1,351,640	1,177,513	57,394	17,141	85,428	22,046	81,200
1979	4,250,027	743,516	1,122,723	734,628	1,468,595	1,259,776	55,174	14,561	86,789	24,041	80,772
1978-79 change	+4.6%	+0.2%	+3.6%	+4.2%	+8.7%	+7.0%	−3.9%	−15.1%	+1.6%	+9.3%	−0.5%
1977-79 change	+4.2%	−8.1%	+2.1%	−1.2%	+16.5%	+5.8%	−1.7%	−6.7%	+14.1%	+32.0%	+3.7%

College Enrollment Rates

	1970			1978		
	Total number	Number enrolled	Enrollment rate	Total number	Number enrolled	Enrollment rate
Men						
18 and 19 years old	3,349,000	1,346,000	40.2%	3,975,000	1,391,000	35.0%
20 and 21 years old	2,651,000	1,083,000	40.9%	3,911,000	1,202,000	30.7%
22 to 24 years old	4,385,000	902,000	20.6%	5,499,000	1,028,000	18.7%
25 to 29 years old	6,467,000	684,000	10.6%	8,539,000	922,000	10.8%
30 to 34 years old	5,373,000	256,000	4.8%	7,624,000	474,000	6.2%
Total, 18 to 34 years old	**22,225,000**	**4,271,000**	**19.2%**	**29,548,000**	**5,017,000**	**17.0%**
Women						
18 and 19 years old	3,609,000	1,248,000	34.6%	4,178,000	1,507,000	36.1%
20 and 21 years old	3,467,000	774,000	22.3%	4,181,000	1,096,000	26.2%
22 to 24 years old	5,091,000	452,000	8.9%	5,903,000	770,000	13.0%
25 to 29 years old	6,948,000	255,000	3.7%	9,050,000	697,000	7.7%
30 to 34 years old	5,815,000	154,000	2.6%	8,067,000	476,000	5.9%
Total, 18 to 34 years old	**24,930,000**	**2,883,000**	**11.6%**	**31,379,000**	**4,546,000**	**14.5%**
High-school graduates 18 and 19 years old						
Men	2,337,000	1,346,000	57.6%	2,772,000	1,391,000	50.2%
Women	2,767,000	1,248,000	45.1%	3,218,000	1,507,000	46.8%

1979 Fall Enrollment, by State

	Total enrollment for all institutions	Publicly controlled institutions					Privately controlled institutions				
		All students					All students				
		Men		Women		First-time students	Men		Women		First-time students
		Full-time	Part-time	Full-time	Part-time		Full-time	Part-time	Full-time	Part-time	
Alabama	159,784	49,029	20,013	48,663	21,655	32,992	8,214	951	9,594	1,665	5,716
Alaska	20 ,052	2,344	5,867	2,097	9,102	3,369	112	141	104	285	161
Arizona	188,976	44,986	45,330	38,122	54,936	56,555	3,866	340	1,044	352	1,457
Arkansas	74,701	23,413	7,609	21,913	11,434	15,321	4,821	426	4,580	505	3,108
California	1,698,668	303,879	413,334	284,268	513,381	346,822	73,283	32,866	56,011	21,646	22,750
Colorado	156,100	49,177	22,526	41,581	27,036	25,683	6,359	1,936	5,260	2,225	2,666
Connecticut	156,067	23,401	19,383	25,090	28,035	20,673	18,567	12,644	16,980	11,967	11,951
Delaware	32,308	8,616	4,093	9,947	4,861	6,898	959	973	1,512	1,341	1,281
District of Columbia	87,855	2,101	4,533	2,127	6,335	3,835	22,856	15,525	21,092	13,286	7,469
Florida	395,233	80,860	69,968	79,075	94,756	64,244	32,143	9,934	21,423	7,274	15,436
Georgia	178,017	45,796	23,663	42,355	27,142	23,859	17,080	2,277	16,824	2,880	9,462
Hawaii	47,204	13,705	7,794	13,670	7,930	7,736	979	1,802	671	653	1,351
Idaho	40,661	12,079	5,057	8,809	6,234	6,414	2,756	596	4,297	834	4,249
Illinois	612,916	115,608	107,750	103,241	138,280	115,089	54,045	22,275	45,588	26,129	24,591
Indiana	228,397	58,506	30,133	50,538	34,206	39,921	23,917	4,473	19,532	7,092	13,721
Iowa	132,599	37,343	9,703	31,758	12,229	26,677	17,396	3,688	15,841	4,671	10,095
Kansas	133,360	37,603	20,398	31,988	29,262	26,003	5,504	1,071	6,042	1,492	3,970
Kentucky	135,179	35,870	15,878	35,242	23,458	21,080	9,557	2,312	9,106	3,756	6,776
Louisiana	153,812	47,789	16,047	46,097	21,216	27,723	9,741	2,080	8,194	2,648	4,017
Maine	42,912	10,657	5,172	9,089	6,623	5,983	4,714	991	4,593	1,073	3,125
Maryland	218,745	44,876	40,635	47,453	56,685	35,674	8,989	5,230	8,770	6,107	4,371
Massachusetts	396,267	47,062	30,544	51,803	41,525	43,257	81,935	33,673	75,887	33,838	45,729
Michigan	503,839	119,209	96,898	110,545	113,041	97,541	23,614	9,409	21,744	9,379	13,945
Minnesota	193,830	50,168	23,003	46,016	33,980	31,396	17,333	1,941	18,842	2,547	9,359
Mississippi	100,272	33,016	8,783	34,938	12,575	26,796	3,487	1,228	4,144	2,101	2,299
Missouri	222,046	49,859	26,047	44,888	32,526	33,024	26,075	11,393	20,267	10,991	10,941
Montana	31,906	12,153	2,279	10,766	3,517	6,060	1,085	437	1,188	481	659
Nebraska	86,446	22,746	13,286	19,360	15,796	19,833	6,292	1,461	5,808	1,697	3,917
Nevada	35,935	6,256	11,864	4,786	12,759	3,608	77	41	67	85	85
New Hampshire	42,112	8,836	2,745	8,601	3,172	5,523	8,436	2,084	6,097	2,141	4,883
New Jersey	312,460	59,656	49,171	62,579	68,646	50,938	23,972	13,771	20,304	14,361	11,389
New Mexico	56,189	18,246	7,885	15,509	11,331	8,112	1,006	812	799	601	506
New York	970,168	165,911	90,333	176,481	117,220	114,562	146,819	65,502	130,394	77,508	66,238
North Carolina	269,065	67,326	35,054	68,115	40,703	56,708	26,365	2,295	25,999	3,208	15,623
North Dakota	31,904	13,396	2,227	11,272	2,893	8,231	724	122	980	290	519
Ohio	463,548	111,763	65,337	103,597	82,026	82,544	41,279	11,610	34,890	13,046	21,729
Oklahoma	152,683	44,341	21,935	36,297	28,719	28,165	8,530	2,640	7,363	2,858	3,281
Oregon	154,597	39,418	27,921	33,725	36,679	39,453	7,475	1,679	6,158	1,542	3,211
Pennsylvania	481,347	94,040	43,348	87,901	56,954	64,603	77,018	25,913	66,627	29,546	38,658
Rhode Island	64,435	8,683	5,655	10,073	9,326	7,366	12,432	4,980	9,954	3,332	5,756
South Carolina	131,459	37,383	16,134	32,053	17,693	28,150	11,669	1,660	12,895	1,972	8,495
South Dakota	31,294	9,874	2,377	8,246	2,864	5,215	3,057	456	3,555	865	2,276
Tennessee	199,654	47,857	25,891	43,996	34,533	33,584	22,098	2,325	20,341	2,613	12,610
Texas	676,047	180,698	119,541	155,293	136,203	155,589	36,245	10,556	29,302	8,209	14,939
Utah	90,398	22,684	10,474	15,950	7,385	14,573	13,465	3,431	12,600	4,409	6,247
Vermont	29,550	5,908	1,792	6,203	3,091	3,256	5,040	676	5,725	1,115	3,119
Virginia	270,599	62,339	48,520	63,386	62,819	31,836	13,705	1,708	15,705	2,417	9,126
Washington	303,469	67,631	61,017	61,599	86,658	19,594	10,066	3,225	10,105	3,168	4,862
West Virginia	81,335	22,089	11,412	18,879	18,224	13,280	3,627	1,214	4,218	1,672	2,922
Wisconsin	255,907	72,068	38,275	67,380	45,553	59,557	12,989	3,352	12,103	4,187	6,873
Wyoming	19,490	6,424	3,116	5,313	4,637	4,511	—	—	—	—	—

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

Earned Degrees Conferred, 1978

Public institutions	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture, natural resources	16,650	5,468	3,157	723	898	59
Architecture, environmental design	5,612	1,651	1,493	485	37	11
Area Studies	526	788	283	247	49	18
Biological Sciences	20,812	12,567	3,546	1,830	1,908	547
Business and Management	77,611	29,737	18,438	3,832	538	52
Communications	9,827	8,833	1,025	1,021	97	42
Computer and Information Sciences	4,146	1,498	1,318	313	119	11
Education	30,384	77,243	29,337	59,640	3,342	2,077
Engineering	38,382	2,541	9,870	509	1,470	36
Fine and Applied Arts	9,589	15,048	2,802	2,980	266	138
Foreign Languages	1,965	6,140	511	1,269	164	185
Health Professions	8,316	31,513	2,575	6,689	280	145
Home Economics	685	14,444	165	2,057	50	135
Law	175	77	274	41	5	--
Letters	9,997	15,615	2,583	4,318	696	493
Library Science	52	534	973	4,041	24	17
Mathematics	4,617	3,162	1,655	941	409	79
Military Sciences	370	8	44	1	--	--
Physical Sciences	11,588	2,849	3,411	694	1,894	195
Psychology	12,143	16,555	2,350	2,269	977	520
Public Affairs and Services	13,828	14,317	5,989	5,906	88	49
Social Sciences	41,748	28,554	6,049	2,969	1,610	504
Theology	6	--		--	1	--
Interdisciplinary Studies	13,804	11,208	1,358	1,010	163	73

Private institutions	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture and Natural Resources	480	126	123	33	11	3
Architecture and Environmental Design	1,455	548	816	327	20	5
Area Studies	629	926	200	195	51	27
Biological Sciences	11,178	7,656	875	600	604	254
Business and Management	41,059	14,867	22,007	4,384	257	20
Communications	3,653	3,088	648	603	41	11
Computer and Information Sciences	1,214	366	1,153	254	62	4
Education	7,516	22,599	9,072	20,908	1,288	879
Engineering	13,902	1,184	5,674	356	913	21
Fine and Applied Arts	6,007	10,389	1,525	1,729	182	122
Foreign Languages	1,140	3,763	290	671	130	170
Health Professions	3,358	16,844	1,725	3,494	122	107
Home Economics	100	2,508	47	344	8	10
Law	291	110	1,251	220	29	5
Letters	9,128	9,993	1,260	1,901	566	321
Library Science	28	79	413	1,508	19	7
Mathematics	2,838	2,084	578	209	272	45
Military Sciences	7	1	--	--	--	--
Physical Sciences	6,600	2,138	1,219	252	931	117

Private institutions--Cont.

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Psychology	6,374	9,985	1,581	1,994	649	451
Public Affairs and Services	5,180	4,360	4,538	3,858	179	79
Social Sciences	26,078	17,804	3,745	1,897	1,103	366
Theology	4,808	1,530	2,314	1,015	1,105	54
Interdisciplinary Studies	5,210	5,837	1,448	671	42	23

All institutions

	Bachelor's degrees		Master's degrees		Doctor's degrees	
	Men	Women	Men	Women	Men	Women
Agriculture and Natural Resources	17,130	5,594	3,280	756	909	62
Architecture and Environmental Design	7,067	2,199	2,309	812	57	16
Area Studies	1,155	1,714	483	442	100	45
Biological Sciences	31,990	20,223	4,421	2,430	2,512	801
Business and Management	118,670	44,604	40,445	8,216	795	72
Communications13,480	11,921	1,673	1,624	138	53	
Computer and Information Sciences	5,360	1,864	2,471	567	181	15
Education	37,900	99,842	38,409	80,548	4,630	2,956
Engineering	52,284	3,725	15,544	865	2,383	57
Fine and Applied Arts	15,596	25,437	4,327	4,709	448	260
Foreign Languages	3,105	9,903	801	1,940	294	355
Health Professions	11,674	48,357	4,300	10,183	402	252
Home Economics	785	16,952	212	2,401	58	145
Law	466	187	1,525	261	34	5
Letters	19,125	25,608	3,843	6,219	1,262	814
Library Science	80	613	1,386	5,549	43	24
Mathematics	7,455	5,246	2,233	1,150	681	124
Military Sciences	377	9	44	1	--	--
Physical Sciences	18,188	4,987	4,630	946	2,825	312
Psychology	18,517	26,540	3,931	4,263	1,626	971
Public Affairs and Services	19,008	18,677	10,527	9,664	267	128
Social Sciences	67,826	46,358	9,794	4,866	2,713	870
Theology	4,814	1,530	2,314	1,015	1,106	54
Interdisciplinary Studies	19,014	17,045	2,806	1,681	205	96

First-professional degrees

	Public institutions		Private institutions		All institutions	
	Men	Women	Men	Women	Men	Women
Chiropractic	--	--	1,495	166	1,495	166
Dentistry	2,716	351	1,891	235	4,652	586
Law, general	9,870	3,418	15,752	5,576	25,622	8,994
Medicine	6,934	1,799	4,365	1,301	11,299	3,100
Optometry	272	68	609	65	881	133
Osteopathic Medicine	181	38	645	80	826	118
Pharmacy	139	80	243	85	382	165
Podiatry, Podiatric Medicine	--	--	517	26	517	26
Theological professions	--	--	5,645	722	5,645	722
Veterinary Medicine	1,147	350	87	51	1,234	401

SOURCE: NATIONAL CENTER FOR EDUCATIONAL STATISTICS

Sex and Ethnic Background of Recipients of Bachelor's Degrees from Public Colleges, 1976

Number of Institutions	Am. Indian Alaskan Native		Black Non-Hispanic		Asian or Pac. Islander		Hispanic		Total Minority		Non-resident Alien		White Non-hispanic		Total	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
Alabama (15)	3	1	904	487	2	10	6	10	915	508	13	96	4,662	5,989	5,590	6,593
Alaska (2)	12	13	3	3	2	1	1	1	18	18	0	0	179	191	197	209
Arizona (3)	65	62	45	57	38	61	204	246	352	426	25	60	3,655	4,388	4,032	4,874
Arkansas (10)	3	10	324	282	6	2	3	6	336	300	4	8	2,175	2,623	2,515	2,931
California (30)	272	391	1,399	1,397	2,067	2,350	1,238	1,888	4,976	6,026	687	1,254	23,157	28,909	28,820	36,189
Colorado (13)	22	31	100	125	65	54	230	317	417	527	17	68	5,025	6,025	5,459	6,620
Connecticut (5)	1	2	91	72	3	8	26	38	121	120	19	16	3,817	3,297	3,957	3,433
Delaware (2)	1	0	113	92	2	0	9	8	125	100	7	14	1,267	1,150	1,399	1,264
Dist. of Columbia (3)	1	1	335	222	2	6	2	2	340	231	25	77	14	9	379	317
Florida (9)	31	37	775	537	28	44	298	427	1,132	1,045	43	112	7,933	10,114	9,108	11,271
Georgia (17)	9	8	779	526	18	21	13	22	819	577	14	48	5,015	6,664	5,848	7,289
Idaho (4)	1	1	3	9	4	17	12	15	20	42	2	25	965	1,520	987	1,587
Illinois (13)	33	26	1,234	789	109	111	112	161	1,488	1,087	87	258	11,493	13,699	13,068	15,044
Indiana (13)	22	28	282	251	26	30	55	69	385	378	47	85	6,907	8,310	7,339	8,773
Iowa (3)	5	5	32	38	15	15	15	12	67	70	11	55	3,198	4,035	3,276	4,160
Kansas (8)	41	111	75	86	21	22	27	42	164	261	28	88	4,044	5,116	4,236	5,465
Kentucky (8)	9	13	224	203	8	18	7	12	248	246	21	62	4,035	4,789	4,304	5,097
Louisiana (14)	8	16	1,987	1,339	9	35	21	59	2,025	1,449	37	197	4,405	5,292	6,467	6,938
Maine (8)	2	3	0	1	3	3	1	4	6	11	11	35	1,420	1,524	1,437	1,570
Maryland (13)	28	43	1,037	615	37	47	28	45	1,130	750	60	187	4,850	6,084	6,040	7,021
Massachusetts (14)	12	23	138	115	25	51	30	29	205	218	32	85	6,728	6,609	6,965	6,912
Michigan (15)	24	38	1,072	784	63	91	98	132	1,257	1,045	136	317	12,140	15,197	13,533	16,559
Minnesota (10)	45	21	36	69	48	98	9	16	138	204	57	152	5,188	6,835	5,383	7,191
Mississippi (9)	5	6	1,057	717	11	25	2	8	1,075	756	11	29	2,646	3,151	3,732	3,936
Missouri (13)	19	20	269	234	18	37	16	18	322	309	46	112	5,570	7,369	5,938	7,790
Montana (6)	26	14	1	8	2	5	1	0	30	27	2	8	1,442	1,958	1,474	1,993
Nebraska (7)	6	9	58	112	12	28	14	27	90	176	3	10	2,358	3,226	2,451	3,412
Nevada (2)	1	3	19	24	4	6	6	12	30	45	12	20	554	797	596	862
New Hampshire (3)	2	3	3	8	4	2	1	1	10	14	0	10	1,456	1,340	1,466	1,364
New Jersey (13)	51	35	815	576	77	94	252	199	1,195	904	2	23	7,776	7,556	8,973	8,483
New Mexico (6)	61	43	27	59	20	33	428	515	536	650	3	34	1,437	1,879	1,976	2,563
New York (37)	56	40	2,023	1,329	292	318	549	618	2,920	2,305	208	405	18,871	18,285	21,999	20,995
North Carolina (16)	46	43	1,502	1,133	13	29	9	18	1,570	1,223	13	46	5,848	6,773	7,431	8,042
North Dakota (6)	15	18	1	6	3	16	2	6	21	46	11	19	1,396	1,769	1,428	1,834
Ohio (12)	16	39	811	681	44	55	41	31	912	806	86	259	12,013	15,210	13,011	16,275
Oklahoma (13)	144	130	285	233	10	33	11	27	450	423	26	211	4,012	5,621	4,488	6,255
Oregon (8)	18	34	24	37	59	115	29	34	130	220	61	168	3,396	4,552	3,587	4,940
Pennsylvania (21)	18	28	834	635	70	101	136	169	1,058	933	30	76	12,959	13,523	14,047	13,532
Rhode Island (2)	2	1	28	17	5	6	5	10	40	34	1	27	1,543	1,189	1,584	1,250
South Carolina (11)	2	3	453	290	2	10	6	8	463	311	12	36	3,006	3,785	3,481	4,132

South Dakota (7) ...	20	13	2	2	1	2	2	2	25	19	0	21	1,143	1,579	1,168	1,619
Tennessee (11)	3	6	608	455	13	36	11	13	635	510	18	82	4,694	6,158	5,347	6,750
Texas (32)	77	147	1,293	950	111	115	1,435	1,776	2,916	2,988	144	816	14,670	17,972	17,730	21,776
Utah (4)	7	14	13	22	32	27	43	112	95	175	22	81	1,555	3,039	1,672	3,295
Vermont (4)	0	1	10	13	0	0	4	8	14	22	5	8	1,198	997	1,217	1,027
Virginia (15)	12	9	995	643	34	32	20	35	1,061	719	14	45	6,837	6,796	7,912	7,560
Washington (6)	47	66	122	138	158	197	29	37	356	438	47	154	5,273	6,855	5,676	7,447
West Virginia (10) ..	1	6	122	146	9	14	2	6	134	172	15	49	2,553	3,408	2,702	3,629
Wisconsin (13)	19	20	129	108	27	36	29	89	204	253	32	114	7,583	8,599	7,819	8,966
Wyoming (1)	5	6	2	4	3	3	4	6	14	19	2	16	506	724	522	759
Total (520)	1,329	1,641	22,494	16,679	3,635	4,470	5,532	7,346	32,990	30,136	2,209	6,178	254,567	302,479	289,766	338,793

Sex and Ethnic Background of Recipients of Bachelor's Degrees from Private Colleges, 1976

Number of Institutions	Am. Indian Alaskan Native		Black Non-Hispanic		Asian or Pac. Islander		Hispanic		Total Minority		Non-resident Alien		White Non-hispanic		Total	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
Alabama (15)	1	3	690	492	1	3	2	7	694	505	16	41	625	728	1,335	1,274
Alaska (1)	5	0	1	0	0	0	0	0	6	0	0	1	40	22	46	23
Arizona (3)	0	1	2	7	0	3	3	6	5	17	0	1	69	232	74	250
Arkansas (9)	0	0	110	63	1	0	0	0	111	63	1	8	618	712	730	783
California (83)	31	35	484	541	331	562	335	542	1,181	1,680	295	764	6,088	8,516	7,564	10,960
Colorado (10)	4	3	28	21	9	15	21	24	62	63	4	18	936	1,014	1,002	1,095
Connecticut (17) ...	2	1	146	148	21	37	21	38	190	224	27	53	2,355	3,389	2,572	3,666
Delaware (1)	0	0	4	13	0	0	0	2	4	15	2	7	23	94	29	116
Dist. of Col. (12)	10	3	580	452	24	27	29	53	643	535	207	451	2,018	2,439	2,868	3,425
Florida (31)	3	9	378	269	11	26	312	222	704	526	50	165	1,905	3,811	2,659	4,502
Georgia (22)	9	4	608	397	5	3	6	11	628	415	7	9	1,382	1,213	2,017	1,637
Hawaii (3)	0	0	2	12	14	55	11	18	27	85	2	4	46	218	75	307
Idaho (2)	0	0	1	2	3	5	6	0	10	7	2	2	114	138	126	147
Illinois (62)	5	18	718	499	102	142	112	157	937	816	92	265	6,695	7,686	7,724	8,767
Indiana (31)	0	1	70	100	10	16	15	39	95	156	17	74	3,043	4,571	3,155	4,801
Iowa (28)	3	3	77	94	6	13	14	8	100	118	25	53	2,815	2,876	2,940	3,047
Kansas (18)	3	5	54	49	2	0	12	13	71	67	15	39	826	879	912	985
Kentucky (18)	0	0	45	43	0	4	3	4	48	51	13	20	1,102	1,184	1,163	1,255
Louisiana (9)	1	4	272	199	3	10	22	29	298	242	3	18	853	1,150	1,154	1,410
Maine (13)	0	0	12	16	4	2	1	10	17	28	5	17	605	1,037	627	1,082
Maryland (18)	2	1	52	41	7	22	11	8	72	72	28	15	1,334	1,548	1,434	1,635
Massachusetts (54) .	8	9	588	461	109	146	90	142	795	758	180	443	9,770	11,636	10,745	12,837
Michigan (36)	8	11	310	254	23	27	24	35	365	327	54	160	2,307	3,721	2,726	4,208
Minnesota (22)	2	7	61	55	11	10	26	25	100	97	37	43	2,842	2,570	2,979	2,710
Mississippi (11)	5	10	219	112	2	3	2	3	228	128	3	8	488	538	719	674
Missouri (35)	6	5	239	293	6	24	33	27	284	349	24	57	3,108	3,900	3,416	4,306
Montana (3)	10	5	1	4	1	0	0	1	12	10	1	2	147	203	160	215
Nebraska (12)	1	0	23	27	3	4	5	7	32	38	8	20	889	894	929	952

students

Number of Institutions	Am. Indian Alaskan Native		Black Non-Hispanic		Asian or Pac. Islander		Hispanic		Total Minority		Non-resident Alien		White Non-hispanic		Total	
	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men
Nevada (1)	0	0	0	0	0	0	0	0	0	0	2	0	19	11	21	11
New Hampshire (11)	3	3	28	55	2	10	3	12	36	80	0	4	809	1,495	845	1,579
New Jersey (23) ...	3	5	202	210	36	49	106	103	347	367	34	102	3,101	4,405	3,482	4,874
New Mexico (3)	7	2	4	21	0	1	45	106	56	130	0	4	98	219	154	353
New York (97)	28	27	1,225	945	236	331	403	513	1,892	1,816	377	905	16,479	20,692	18,748	23,413
North Carolina (30)	3	3	730	521	7	10	12	6	752	540	12	62	3,040	3,531	3,804	4,133
North Dakota (3) ...	3	2	0	1	1	0	1	1	5	4	0	1	169	100	174	105
Ohio (55)	12	10	492	481	33	44	26	40	563	575	48	95	5,733	6,672	6,344	7,342
Oklahoma (11)	13	22	45	47	10	9	6	17	74	95	17	96	1,022	1,281	1,113	1,472
Oregon (15)	6	5	21	32	33	25	0	8	60	70	15	31	784	968	859	1,069
Pennsylvania (86) ..	10	9	365	355	47	54	109	123	531	541	67	192	10,000	14,661	10,598	15,394
Rhode Island (10) ..	2	1	63	67	4	13	1	6	70	87	18	27	1,260	2,199	1,348	2,313
South Carolina (17)	1	0	412	320	4	1	6	11	423	332	3	17	1,054	1,079	1,480	1,428
South Dakota (8) ...	1	3	4	7	2	0	2	1	9	11	2	15	444	427	455	453
Tennessee (35)	0	1	437	294	9	9	3	25	449	329	25	57	2,229	2,621	2,703	3,007
Texas (43)	2	9	475	492	19	27	388	363	884	891	24	101	4,519	5,514	5,427	6,506
Utah (3)	28	14	3	4	24	28	5	5	60	51	74	91	1,563	1,903	1,697	2,045
Vermont (12)	0	1	20	16	4	2	5	10	29	29	4	11	867	946	900	986
Virginia (23)	1	1	567	296	4	2	11	10	583	309	11	13	1,772	1,909	2,366	2,231
Washington (13)	6	13	54	56	42	58	3	14	105	141	56	66	1,593	1,808	1,754	2,015
West Virginia (8)	1	2	13	15	3	3	1	9	18	29	1	14	675	766	694	809
Wisconsin (23)	4	4	59	56	11	13	9	11	83	84	14	41	2,077	2,077	2,174	2,202
Total (1,109)	253	275	10,994	8,955	1,240	1,848	2,261	2,825	14,748	13,903	1,922	4,703	112,350	142,203	129,020	160,809

Note: Data are from 1975-76

SOURCE: U.S. OFFICE F[illegible]IL RIGHTS

Proportion of Degrees Awarded to Women

Bachelor's Degrees

	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Agriculture and natural resources	5.5%	7.4%	9.7%	14.1%	18.3%	22.2%
Architecture and environmental design	12.0%	13.2%	14.8%	17.4%	19.2%	21.4%
Area studies	52.5%	52.3%	54.3%	55.1%	55.5%	56.0%
Biological sciences	29.6%	30.1%	31.5%	33.3%	34.8%	36.4%
Business and management	9.7%	10.8%	13.1%	16.4%	19.8%	23.6%
Communications	35.5%	36.6%	38.4%	40.5%	41.5%	44.3%
Computer and information sciences	13.6%	14.9%	16.4%	19.0%	19.8%	23.9%
Education	74.1%	73.5%	73.5%	73.3%	72.8%	72.2%
Engineering	1.0%	1.2%	1.6%	2.2%	3.2%	4.5%
Fine and applied arts	59.9%	60.4%	60.2%	61.9%	60.9%	61.4%
Foreign languages	75.1%	76.0%	76.4%	77.0%	76.4%	76.2%
Health professions	75.7%	77.0%	77.4%	77.8%	78.8%	79.2%
Home economics	96.5%	96.3%	96.4%	96.0%	95.9%	95.9%
Law	6.6%	8.4%	10.5%	14.2%	18.8%	27.5%
Letters	60.1%	58.9%	58.0%	57.3%	56.9%	56.7%

	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Library science	93.3%	94.4%	92.6%	92.5%	93.1%	90.9%
Mathematics	39.1%	40.2%	41.0%	42.0%	40.7%	41.6%
Military science	0.0%	0.0%	0.3%	0.0%	0.2%	0.3%
Physical sciences	15.1%	15.0%	16.6%	18.4%	19.2%	20.1%
Psychology	46.4%	47.8%	50.5%	52.7%	54.4%	56.7%
Public affairs and services	47.9%	46.9%	43.5%	45.6%	43.7%	45.1%
Social sciences	36.3%	36.3%	36.6%	37.4%	37.9%	39.4%
Theology	27.8%	25.7%	28.1%	27.4%	27.3%	25.7%
Interdisciplinary studies	31.1%	34.1%	37.1%	42.2%	45.0%	47.0%
All disciplines	43.7%	43.9%	44.4%	45.4%	45.6%	46.2%

Master's Degrees

	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Agriculture and natural resources	7.1%	7.9%	9.8%	11.8%	14.3%	14.6%
Architecture and environmental design	14.6%	15.7%	18.4%	20.3%	20.8%	22.5%
Area studies	40.7%	37.0%	38.9%	43.2%	45.3%	46.9%
Biological sciences	33.1%	30.6%	30.6%	30.0%	31.8%	33.8%
Business and management	3.9%	4.9%	6.6%	8.4%	11.6%	14.3%
Communications	34.4%	35.7%	36.8%	42.1%	41.8%	44.4%
Computer and information sciences	11.4%	10.6%	12.9%	14.7%	14.5%	16.7%
Education	57.3%	58.2%	59.9%	62.2%	64.3%	65.8%
Engineering	1.6%	1.7%	2.3%	2.4%	3.6%	4.4%
Fine and applied arts	46.3%	44.8%	45.9%	46.8%	48.9%	51.2%
Foreign languages	65.1%	64.3%	66.1%	66.9%	66.7%	69.5%
Health professions	56.4%	57.5%	60.2%	61.8%	66.5%	67.9%
Home economics	92.7%	90.7%	91.1%	89.3%	91.5%	91.1%
Law	5.8%	7.5%	7.1%	8.0%	12.0%	13.2%
Letters	57.7%	57.1%	56.6%	58.8%	58.3%	59.5%
Library science	79.9%	78.1%	77.8%	78.8%	78.3%	79.6%
Mathematics	29.8%	29.9%	31.0%	32.9%	34.0%	35.1%
Military science	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%
Physical sciences	14.1%	13.5%	14.6%	14.5%	15.0%	16.6%
Psychology	38.4%	40.2%	39.8%	42.9%	46.7%	48.1%
Public affairs and services	47.0%	46.7%	45.3%	44.6%	45.3%	45.5%
Social sciences	28.2%	27.6%	28.8%	30.0%	31.6%	32.9%
Theology	23.4%	26.7%	27.2%	30.9%	32.1%	31.4%
Interdisciplinary studies	39.2%	45.6%	45.8%	47.7%	46.5%	37.1%
All disciplines	40.6%	41.4%	43.1%	44.8%	46.4%	47.1%

First-Professional Degrees

	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Chiropractic	*	*	*	*	9.3%	8.5%
Dentistry	1.2%	1.4%	2.0%	3.1%	4.5%	7.4%
Law, general	7.2%	8.1%	11.5%	15.1%	19.2%	22.5%
Medicine	9.0%	9.0%	11.2%	13.2%	16.2%	19.2%
Optometry	2.2%	2.6%	4.2%	5.0%	7.7%	11.0%
Osteopathic medicine	3.5%	2.9%	2.8%	5.3%	7.2%	8.8%
Pharmacy	*	*	*	*	29.6%	27.5%
Podiatry or podiatric medicine	0.3%	0.3%	1.1%	1.1%	2.6%	3.3%
Theological professions, general	1.9%	3.4%	5.5%	6.8%	7.6%	9.5%
Veterinary medicine	9.4%	10.2%	11.2%	15.9%	18.1%	22.8%
Other	20.8%	11.8%	26.1%	11.0%	10.0%	47.8%
All fields	6.3%	7.1%	9.9%	12.5%	15.6%	18.7%

* Data not available

SOURCE: "DEGREE AWARDS TO WOMEN,"
PUBLISHED BY NATIONAL CENTER FOR EDUCATION STATISTICS

1978-79 Enrollment of Foreign Students

Institutions with 1,000 or More Students from Other Countries

Rank	Institution	Number of foreign students	Percentage of total enrollment
1.	University of Southern California	3,522	12.8%
2.	Miami-Dade Community College	3,260	8.2%
3.	University of Wisconsin at Madison	2,404	6.1%
4.	University of Michigan at Ann Arbor	2,260	6.2%
5.	University of Houston, central campus	1,989	6.7%
6.	University of Maryland at College Park	1,933	5.2%
7.	Howard University	1,887	18.3%
8.	University of Texas at Austin	1,853	4.3%
9.	University of Washington	1,817	5.0%
10.	Harvard University	1,815	12.0%
11.	George Washington University	1,802	9.2%
12.	Columbia University, main division	1,800	7.2%
13.	Texas Southern University	1,792	20.4%
14.	Indiana University at Bloomington	1,706	5.4%
15.	University of Minnesota at Minneapolis–St. Paul	1,691	2.7%
16.	Louisiana State University at Baton Rouge	1,642	6.5%
17.	University of Pennsylvania	1,602	8.1%
18.	Massachusetts Institute of Technology	1,601	18.0%
19.	University of California at Berkeley	1,576	5.4%
20.	University of California at Los Angeles	1,507	4.7%
21.	Stanford University	1,482	11.2%
22.	Northeastern University	1,463	3.9%
23.	University of Kansas	1,452	6.2%
24.	Oklahoma State University, main campus	1,447	6.5%
25.	Boston University	1,432	5.5%
26.	University of Illinois at Urbana-Champaign	1,412	4.2%
27.	American University	1,399	11.5%
28.	University of Texas at Arlington	1,383	7.6%
29.	University of Oklahoma at Norman	1,368	6.6%
30.	Ohio State University, main campus	1,339	7.0%
31.	Michigan State University	1,328	2.9%
32.	Montgomery College at Rockville	1,306	11.7%
33.	New York University	1,241	3.9%
34.	North Texas State University	1,225	7.1%
35.	Iowa State University	1,222	5.2%
36.	S.U.N.Y. at Buffalo, main campus	1,218	11.2%
37.	University of Southwestern Louisiana	1,211	9.3%
38.	Polytechnic Institute of New York	1,200	18.1%
39.	University of Arizona	1,187	4.4%
40.	Brigham Young University, main campus	1,184	4.1%
41.	University of Hawaii at Manoa	1,166	5.5%
42.	United States International University	1,150	38.9%
43.	San Jose State University	1,141	3.9%
44.	University of San Francisco	1,124	16.9%
45.	California State University at Los Angeles	1,100	4.6%
46.	Texas A&M University, main campus	1,100	3.6%
47.	Purdue University, main campus	1,096	3.5%
48.	Cornell University	1,085	5.9%
49.	Southern Illinois University at Carbondale	1,068	4.7%
50.	Pennsylvania State University, main campus	1,055	3.0%
51.	University of Texas at El Paso	1,033	6.6%
52.	Syracuse University, main campus	1,028	5.2%
53.	University of Missouri at Columbia	1,008	4.3%
54.	Utah State University	1,001	10.8%
55.	Northrop University	1,000	53.5%

Where They Come From

Rank	Country or territory	Students
1.	Iran	45,340
2.	Nigeria	16,220
3.	Taiwan	15,460
4.	Canada	15,120
5.	Hong Kong	10,520
6.	Japan	10,490
7.	India	9,400
8.	Venezuela	8,430
9.	Saudi Arabia	8,050
10.	Mexico	6,400
11.	Thailand	6,110
12.	Vietnam	6,070
13.	Republic of Korea	4,980
14.	Lebanon	4,380
15.	United Kingdom	4,300
16.	Malaysia	3,560
17.	Fed. Rep. of Germany	2,980
18.	Brazil	2,960
19.	Colombia	2,880
20.	Jordan	2,850
21.	Greece	2,740
22.	Cuba	2,600
23.	Israel	2,570
24.	Philippines	2,460
25.	Pakistan	2,420
26.	France	2,350
27.	Libya	2,290
28.	Jamaica	2,280
29.	Indonesia	2,230
30.	Turkey	2,020
31.	Kuwait	1,960
32.	Ghana	1,740
33.	Peru	1,730
34.	Algeria	1,720
35.	Australia	1,680
36.	Egypt	1,590
37.	Kenya	1,570
38.	Ethiopia	1,520
39.	Pacific Islands	1,260
40.	Iraq	1,250
41.	Netherlands	1,160
42.	Chile	1,150
43.	Italy	1,140
44.	Trinidad and Tobago	1,140
45.	Panama	1,110
46.	Nicaragua	1,040

SOURCE: INSTITUTE OF INTERNATIONAL EDUCATION

Students from the 13 member countries of the Organization of Petroleum Exporting Countries made up 33.8 per cent of the foreign students enrolled in U. S. colleges and universities in 1978-79, according to the Institute of International Education here.

While the overall number of foreign students in the U. S. last year was up 12.1 per cent over 1977-78, the number of students from OPEC *countries was up 21.2 per cent.*

The 263,938 foreign students here in 1978-79 represented 2.3 per cent of the total enrollment at U. S. institutions. A year earlier, the 235,509 foreign students had accounted for 2.1 per cent of all enrollments.

The annual report on foreign students indicated that in 1978-79 Iranians continued to make up the largest single group of foreign students, and that the number had risen sharply—from 36,220 in 1977-78 to 45,340.

Other places that sent 10,000 or more students to the U. S. in 1978-79 were:

▶ *Nigeria, 16,220.*
▶ *Taiwan, 15,460.*
▶ *Canada, 15,120.*
▶ *Hong Kong, 10,520.*
▶ *Japan, 10,490.*

In all, there were students from 181 countries and territories in the United States, and more than half of them were enrolled in engineering, business and management, or the natural and life sciences. Engineering attracted 28.8 per cent—the largest single group.

The annual survey also found that:

▶ *Four-year colleges and universities enrolled 83.7 per cent of all foreign students.*

▶ *The proportion of undergraduate foreign students was up slightly last year. In 1978-79, 56.6 per cent of the foreign students here were undergraduates compared to 53.5 per cent a year earlier.*

▶ *Of the 263,938 foreign students, 68,450, or 25.9 per cent, were women.*

▶ *Almost 82 per cent of the students were supported by their families, their governments, or other sources in their home countries.*

▶ *The proportion supported by U. S. colleges and universities, by the U. S. government, or by private U. S. agencies fell from 16 per cent in 1977-78 to 13.9 per cent last year.*

The institute's report included, for the first time, information on the number of American students participating in study programs abroad.

In the 1977-78 academic year, according to the report, 801 U. S. colleges and universities sent 24,471 students overseas to study, 67.1 per cent of them to programs in Europe.

The countries with the largest number of students in programs sponsored by the U. S. abroad were Great Britain with 4,444; France, 2,880; Spain, 1,695; Italy, 1,655; and West Germany, 1,324.

*Copies of the report—*Open Doors: 1978-79 Report on International Educational Exchange*—are available at $15 each from the Institute of International Education, 809 United Nations Plaza, New York 10017.*

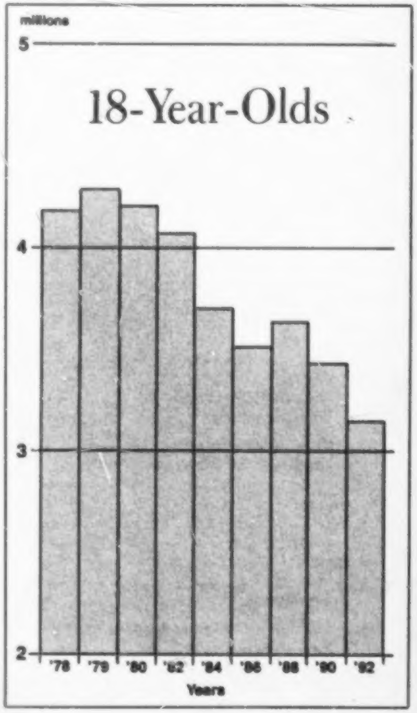
Projected Number of High School Students Graduating

	1978 (actual)	1979	1980	1981	1982	1983	1984	1985	1986
Alabama ...	46,509	47,457	46,926	46,302	46,240	44,328	41,663	40,359	39,982
Alaska	5,058	5,482	5,625	5,587	5,563	5,208	5,032	4,960	4,810
Arizona	28,589	29,195	29,312	29,462	29,060	28,359	27,699	27,315	27,413
Arkansas ...	28,064	28,151	28,565	28,622	28,765	26,963	25,531	24,817	24,659
California ...	261,698	260,878	256,892	249,082	248,253	234,551	223,839	218,432	217,103
Colorado	37,373	37,265	37,281	36,703	36,392	34,616	32,207	32,495	33,139
Connecticut	39,204	39,051	37,807	37,879	37,154	35,560	33,202	31,543	30,299
Delaware ...	9,847	9,831	9,410	9,239	8,861	8,334	7,687	6,965	6,797
Florida	91,613	89,033	88,430	88,401	87,573	82,464	80,244	76,421	75,363
Georgia	61,095	64,649	65,444	64,335	65,379	62,747	59,756	57,299	57,457
Hawaii	11,464	11,468	11,611	11,674	11,106	10,360	9,766	9,241	9,168
Idaho	13,301	13,392	13,422	12,857	12,771	12,265	12,015	12,171	12,474
Illinois	140,690	139,153	134,735	130,617	127,968	119,200	112,352	107,546	104,840
Indiana	78,000	78,390	76,349	75,338	74,791	70,126	65,038	63,163	61,604
Iowa	43,726	44,132	42,956	41,883	40,229	37,317	34,959	33,500	32,733
Kansas	32,307	31,680	30,796	28,950	27,763	27,331	25,250	24,449	23,760
Kentucky ...	41,611	42,241	41,266	41,745	41,033	38,865	36,941	35,633	35,279
Louisiana ...	47,183	47,635	47,472	47,747	47,611	46,719	46,310	44,722	44,582
Maine	15,364	15,603	15,462	15,734	14,944	14,897	13,910	13,908	13,095
Maryland ...	61,991	62,116	61,488	62,502	61,682	57,617	54,942	52,992	51,552
Mass.	78,348	78,769	77,644	77,148	76,021	72,468	69,130	66,270	63,977
Michigan	132,759	131,984	127,462	124,342	121,647	114,582	109,163	105,814	102,733
Minnesota ..	68,414	68,065	67,616	64,910	61,772	57,494	54,164	52,732	51,893
Mississippi ..	27,665	28,160	27,672	27,669	27,006	26,333	25,200	24,447	24,404
Missouri	64,564	64,761	64,423	62,794	62,667	58,417	54,478	52,309	50,642
Montana ...	12,184	12,066	12,034	11,480	10,936	10,270	9,859	9,508	9,408
Nebraska ...	23,052	23,498	22,559	22,196	21,109	19,632	18,461	17,730	17,627
Nevada	8,233	8,763	8,795	8,933	9,118	8,819	8,116	8,050	7,954
N. Hamp. ...	11,748	11,807	11,719	11,927	11,775	11,337	11,173	10,766	10,911
N. Jersey ...	97,079	97,643	94,836	93,636	92,592	88,518	84,143	80,233	76,719
N. Mexico ..	18,444	18,942	18,478	18,097	17,900	16,569	15,481	15,184	14,820
New York ...	210,720	209,892	201,167	198,731	194,886	185,438	175,476	165,728	158,338
N. Carolina ..	70,953	71,898	70,550	69,043	69,276	65,500	62,219	61,155	60,277
N. Dakota ..	10,725	10,707	10,366	10,140	9,392	8,674	8,082	7,767	7,277
Ohio	152,002	151,534	143,851	139,215	137,353	128,542	122,341	118,557	115,430
Oklahoma ...	39,223	39,745	40,048	39,141	38,187	35,541	33,325	33,232	33,686
Oregon	29,998	30,851	30,515	29,652	29,125	27,850	27,149	27,230	27,571
Penn.	156,918	155,311	146,937	144,919	143,672	135,651	128,981	123,434	118,561
Rhode I.	10,884	11,592	11,198	10,864	10,669	10,390	9,688	9,267	8,589
S. Carolina	36,824	37,845	37,829	38,241	38,462	36,860	34,939	33,783	33,305
S. Dakota ..	11,383	11,171	10,961	10,442	9,869	9,081	8,406	7,979	7,916
Tennessee ..	47,710	48,406	49,796	50,148	50,544	48,464	45,675	44,224	43,383
Texas	167,968	170,892	172,067	170,305	172,814	165,276	159,129	158,882	160,863
Utah	20,324	20,667	20,534	20,064	19,480	18,677	18,549	19,379	19,671
Vermont	6,773	6,867	6,862	6,700	6,648	6,217	5,967	5,737	5,663
Virginia	66,270	66,203	66,027	67,404	67,515	63,270	59,406	57,215	58,898
Washington	51,101	51,568	50,675	49,670	48,619	46,266	43,984	44,271	44,843
W. Virginia ..	23,986	23,570	23,197	22,983	22,683	21,658	20,604	20,023	19,877
Wisconsin ...	71,295	71,288	69,664	67,473	66,236	62,354	60,018	57,105	56,836
Wyoming ...	6,074	6,102	6,150	6,120	6,163	5,869	5,658	5,812	5,995
Dist. of Col.	5,045	5,681	5,448	5,107	4,606	4,490	4,309	3,882	3,547
Total	2,833,353	2,844,871	2,790,136	2,744,081	2,712,160	2,568,534	2,441,616	2,365,634	2,327,723

Note: Projections include graduates of public high schools only, except in Alaska, Delaware, and Maryland, where graduates of nonpublic high schools also are included.

	1987	1988	1989	1990	1991	1992	1993	1994	1995
Alabama	40,940	42,291	44,113	41,850	39,544	39,477	38,533	38,515	41,198
Alaska	5,101	5,365	5,441	5,254	5,163	5,296	5,347	5,559	5,832
Arizona	29,383	30,618	30,982	28,984	29,645	31,848	31,893	32,282	33,733
Arkansas	25,449	26,662	27,437	26,355	25,681	26,448	26,296	26,587	27,638
California	226,226	232,844	220,142	204,182	198,432	207,656	211,415	221,266	231,571
Colorado	34,656	36,561	36,267	33,388	33,433	33,692	34,856	35,578	37,384
Connecticut	30,529	30,560	28,528	25,201	23,554	23,132	22,632	22,403	22,845
Delaware	6,804	6,964	6,683	5,945	5,519	5,596	5,576	5,496	5,817
Florida	78,483	82,590	84,821	81,300	78,546	80,497	77,095	77,211	80,847
Georgia	58,186	60,514	60,293	49,048	46,681	54,360	52,094	51,645	55,014
Hawaii	9,600	10,010	9,712	9,167	9,112	9,192	9,373	9,903	10,526
Idaho	12,994	13,800	14,151	13,473	13,633	14,518	15,079	15,969	17,202
Illinois	105,894	109,078	106,777	97,055	91,963	91,963	92,103	92,611	96,403
Indiana	61,813	63,985	65,178	60,480	57,963	56,920	56,343	55,148	58,222
Iowa	33,242	34,215	33,219	30,695	28,955	30,205	30,787	30,943	33,420
Kansas	24,899	25,485	25,318	23,679	22,748	23,275	23,985	25,102	26,204
Kentucky	36,005	37,336	37,941	34,703	33,076	32,965	33,693	34,117	36,152
Louisiana	46,060	46,836	46,851	45,345	44,054	43,694	44,929	46,007	49,744
Maine	13,571	13,751	14,057	12,728	12,306	11,821	11,917	11,772	12,715
Maryland	51,266	52,201	50,056	45,240	40,830	40,661	40,396	40,351	42,771
Mass.	63,013	62,883	58,647	52,487	48,885	47,395	46,044	44,610	45,889
Michigan	103,705	107,714	104,156	94,750	91,223	88,557	86,312	84,669	89,204
Minnesota	53,145	53,911	51,676	46,707	44,080	45,212	45,880	46,161	48,888
Mississippi	25,084	25,677	24,754	23,145	22,587	22,257	21,945	21,742	22,981
Missouri	52,211	53,456	53,787	48,938	46,247	46,791	46,137	46,366	49,181
Montana	9,756	10,137	10,408	9,491	9,409	10,135	9,968	10,410	10,986
Nebraska	18,244	18,655	18,881	17,886	16,853	17,538	17,510	17,591	18,621
Nevada	8,639	9,076	9,494	8,720	8,401	8,644	8,597	9,507	10,220
N. Hamp.	11,108	11,543	11,655	10,620	10,051	10,110	9,663	9,738	10,512
New Jersey	77,124	77,844	73,485	65,627	62,016	62,160	60,323	59,723	61,860
New Mexico	15,004	15,117	14,975	14,880	14,544	14,882	14,700	15,471	16,111
New York	156,975	158,489	144,700	129,018	121,201	120,588	118,893	118,575	120,888
N. Carolina	60,998	63,918	64,656	60,038	57,633	56,357	54,108	53,884	56,499
N. Dakota	7,400	7,949	7,788	7,565	7,263	7,466	7,922	7,997	8,540
Ohio	116,464	120,566	120,670	110,141	103,393	103,241	102,043	100,029	103,912
Oklahoma	35,222	36,753	38,018	36,626	34,785	36,151	36,440	37,252	38,784
Oregon	29,307	30,647	29,943	28,065	27,462	27,890	28,616	29,892	32,147
Penn.	117,898	120,170	115,033	104,578	98,118	96,957	95,348	94746	98,210
Rhode Island	8,447	8,464	8,103	7,261	6,760	6,242	5,905	5,937	6,396
S. Carolina	34,100	35,442	36,977	35,066	34,683	34,335	33,083	33,783	35,338
S. Dakota	7,949	8,352	8,379	7,860	7,726	8,065	8,151	8,410	8,710
Tennessee	45,425	47,484	48,311	45,622	43,801	43,699	42,411	42,562	45,387
Texas	167,767	175,361	183,821	176,637	172,294	173,227	177,039	179,522	186,088
Utah	20,742	22,736	23,844	23,183	23,983	25,800	27,203	30,422	32,702
Vermont	5,620	6,144	5,979	5,539	5,060	5,113	4,997	5,027	5,194
Virginia	60,188	63,149	59,615	54,065	51,614	51,181	50,437	50,395	53,473
Washington	47,232	49,009	47,992	43,551	43,612	45,863	46,527	48,105	51,507
West Virginia	20,392	20,643	21,527	20,456	19,215	19,253	19,477	19,915	20,913
Wisconsin	56,284	56,566	54,182	48,905	47,107	48,872	48871	48,792	51,422
Wyoming	6,502	7,015	7,300	7,390	7,426	7,896	8,285	8,242	9,063
Dist. of Col.	3,470	3,480	3,280	2,891	2,562	2,372	2,302	2,277	2,337
Total	2,376,722	2,450,040	2,409,803	2,221,800	2,130,812	2,157,465	2,149,545	2,170,233	2,279,201

SOURCE: WESTERN INTERSTATE COMMISSION FOR HIGHER EDUCATION



Characteristics and Attitudes of 1979-80 Freshmen

Compared to data gathered in 1969

Student Goals

	Women		Men	
	1969	1979	1969	1979
Reasons reported as very important in deciding to go to college				
Parents wanted me to go	—	31.3%	—	28.0%
Could not find a job	—	5.6%	—	4.6%
Get away from home	—	8.1%	—	7.4%
Get a better job	—	78.0%	—	77.5%
Gain general education	—	74.5%	—	62.1%
Improve reading, study skills	—	41.7%	—	36.3%
Nothing better to do	—	1.9%	—	2.1%
Become more cultured	—	39.0%	—	28.5%
Make more money	—	59.2%	—	68.9%
Learn more about things	—	78.4%	—	68.8%
Meet new, interesting people	—	63.8%	—	48.4%
Prepare for graduate school	—	45.9%	—	44.8%
Reasons noted as very important in selecting this college				
Relatives' wishes	—	6.7%	—	5.1%
Teacher's advice	—	4.0%	—	4.0%
Good academic reputation	—	52.8%	—	45.3%
Financial aid offered	—	16.7%	—	15.1%
Not accepted anywhere else	—	2.5%	—	3.4%
Advice of former student	—	15.7%	—	13.1%
Special education programs	—	30.8%	—	21.7%
Low tuition	—	17.2%	—	16.0%
Guidance counselor's advice	—	7.7%	—	7.3%
Wanted to live at home	—	11.8%	—	10.2%
Friend's suggestion	—	7.5%	—	6.4%
College recruiter	—	3.8%	—	5.6%
Number of other colleges applied to for admission this year:				
None	52.6%	40.5%	50.3%	38.5%
One	20.7%	18.8%	19.4%	16.5%
Two	13.6%	17.0%	14.1%	16.5%
Three	7.4%	12.1%	8.3%	14.0%
Four	3.3%	5.5%	4.2%	6.6%
Five	1.5%	3.2%	2.1%	4.0%
Six or more	0.9%	3.0%	1.7%	3.9%
College attended is student's:				
First choice	—	76.4%	—	74.8%
Second choice	—	18.4%	—	18.7%
Third choice	—	3.7%	—	4.3%
Less than third choice	—	1.5%	—	2.3%

	Women		Men	
	1969	1979	1969	1979
Highest degree planned:				
None	2.3%	1.8%	1.9%	1.7%
Associate	10.9%	8.9%	7.1%	5.6%
Bachelor's	44.0%	37.5%	33.7%	35.4%
Master's	32.6%	32.1%	33.2%	32.4%
Ph.D. or Ed.D.	6.1%	8.0%	13.4%	9.4%
M.D., D.C., D.D.S., or D.V.M.	1.8%	5.5%	5.9%	7.0%
LL.B. or J.D.	0.4%	3.5%	2.2%	5.2%
B.D. or M. Div.	0.2%	0.4%	0.5%	0.8%
Other	1.9%	2.3%	2.1%	2.4%
Probable field of study:				
Arts and humanities				
Art, fine	10.4%	—	7.4%	—
Art, fine and applied	—	3.0%	—	1.5%
English	6.1%	1.2%	1.7%	0.6%
History, political science	5.0%	2.2%	7.2%	3.2%
History	—	0.4%	—	0.9%
Journalism	—	1.9%	—	1.3%
Language (except English)	—	0.7%	—	0.2%
Music	—	1.4%	—	1.4%
Philosophy	—	0.1%	—	0.2%
Speech	—	0.2%	—	0.1%
Theater and drama	—	1.0%	—	0.6%
Theology or religion	—	0.1%	—	0.4%
Other arts and humanities	—	0.7%	—	0.3%
Biological sciences	2.7%	3.9%	3.8%	4.3%
Biology (general)	—	1.6%	—	1.8%
Biochemistry, biophysics	—	0.4%	—	0.5%
Botany	—	0.1%	—	0.1%
Marine (life) science	—	0.4%	—	0.7%
Microbiology, bacteriology	—	0.4%	—	0.2%
Zoology	—	0.4%	—	0.4%
Other biological sciences	—	0.6%	—	0.6%
Business	12.5%	23.1%	19.1%	25.1%
Accounting	—	6.0%	—	6.3%
Business administration	—	5.5%	—	9.4%
Finance	—	0.4%	—	0.9%
Marketing	—	1.9%	—	1.8%
Management	—	2.8%	—	5.6%
Secretarial studies	—	5.2%	—	0.0%
Other business	—	1.3%	—	1.1%
Education	19.2%	12.5%	4.8%	3.6%
Business education	—	0.3%	—	0.1%
Elementary education	—	4.7%	—	0.3%

	Women		Men	
	1969	1979	1969	1979
Probable field of study (continued):				
Music or art educaton	—	0.5%	—	0.2%
Physical ed., recreation	—	2.3%	—	2.2%
Secondary education	—	0.8%	—	0.5%
Special education	—	3.3%	—	0.2%
Other education	—	0.6%	—	0.1%
Engineering	0.4%	2.5%	18.0%	19.2%
Aeronautical	—	0.2%	—	1.8%
Civil	—	0.3%	—	2.2%
Chemical	—	0.5%	—	1.5%
Electrical or electronic	—	0.4%	—	6.2%
Industrial	—	0.2%	—	0.9%
Mechanical	—	0.3%	—	3.8%
Other engineering	—	0.6%	—	2.8%
Physical sciences	1.0%	1.8%	3.6%	3.9%
Astronomy	—	0.0%	—	0.1%
Atmospheric science	—	0.0%	—	0.2%
Chemistry	—	0.6%	—	1.1%
Earth science	—	0.2%	—	0.5%
Marine science	—	0.2%	—	0.4%
Mathematics, statistics	3.8%	0.6%	3.3%	0.7%
Physics	—	0.1%	—	0.7%
Other physical sciences	—	0.1%	—	0.2%
Professional				
Architecture, urban plan.	—	0.6%	—	1.8%
Home economics	—	1.4%	—	0.2%
Health professions (non-M.D.)	10.7%	—	1.5%	—
Health technology	—	3.4%	—	0.8%
Library or archival science	—	0.1%	—	0.0%
Nursing	—	6.8%	—	0.2%
Pharmacy	—	0.5%	—	0.5%
Pre-professional	2.3%	2.9%	9.4%	3.6%
Therapy (physical, etc.)	—	2.7%	—	0.4%
Other professional	—	1.7%	—	1.4%
Social Science				
Anthropology	—	0.1%	—	0.1%
Economics	—	0.3%	—	0.5%
Geography	—	0.0%	—	0.1%
Political science	—	1.8%	—	2.3%
Psychology, sociology, and anthropology	12.6%	4.4%	5.7%	1.6%
Psychology	—	3.7%	—	1.3%
Social work	—	2.8%	—	0.3%
Sociology	—	0.6%	—	0.2%
Other social sciences	—	0.3%	—	0.2%
Technical				
Building trades	—	0.0%	—	0.8%
Data processing, computer programming	—	1.8%	—	2.1%
Drafting or design	—	0.3%	—	1.0%
Electronics	—	0.1%	—	1.3%
Mechanics	—	0.0%	—	0.9%
Other technical	—	0.1%	—	0.7%

	Women		Men	
	1969	1979	1969	1979
Other fields				
Agriculture and forestry	0.2%	—	3.7%	4.5%
Agriculture	—	1.3%	—	3.1%
Communications	—	1.7%	—	1.9%
Computer science	—	1.4%	—	2.1%
Forestry	—	0.4%	—	1.4%
Law enforcement	—	1.0%	—	2.0%
Military science	—	0.0%	—	0.2%
Other fields	—	1.7%	—	1.1%
Undecided	2.1%	5.6%	2.4%	3.9%
Probable career occupation:				
Accountant or actuary	—	5.8%	—	5.6%
Actor or entertainer	—	1.1%	—	0.9%
Architect or urban planner	—	0.8%	—	2.8%
Artist	—	2.1%	—	1.3%
Artist (including performer)	7.6%	—	4.3%	—
Business	3.6%	15.0%	16.9%	17.8%
Clerical	—	4.1%	—	0.4%
Executive	—	8.2%	—	11.6%
Proprietor	—	1.2%	—	4.5%
Salesperson, buyer	—	1.5%	—	1.3%
Clergy	0.3%	0.1%	1.4%	0.7%
Clinical psychologist	—	1.6%	—	0.5%
College teacher	0.8%	0.2%	1.3%	0.3%
Computer progr.,analyst	—	3.3%	—	4.7%
Conservationist or forester	—	0.7%	—	1.8%
Dentist or physician	1.3%	3.5%	4.9%	5.2%
Dentist	—	0.6%	—	1.2%
Dietitian or home economist	—	0.7%	—	0.1%
Engineer	0.3%	2.3%	14.5%	16.8%
Farmer or forester	0.2%	—	3.0%	—
Farmer or rancher	—	0.5%	—	2.0%
Foreign-service worker	—	0.6%	—	0.3%
Health professional (non-M.D.)	6.0%	—	2.7%	—
Homemaker (full-time)	—	0.4%	—	0.0%
Interior decorator	—	1.1%	—	0.1%
Interpreter, translator	—	0.3%	—	0.0%
Lab. technician or hygienist	—	2.7%	—	0.6%
Law enforcement officer	—	0.7%	—	1.7%
Lawyer or judge	0.8%	3.4%	5.6%	5.0%
Military service	—	0.3%	—	1.9%
Musician	—	1.1%	—	1.6%
Nurse	6.0%	7.0%	0.1%	0.2%
Optometrist	—	0.2%	—	0.3%
Pharmacist	—	0.6%	—	0.6%
Physician	—	2.9%	—	4.0%
Research scientist	1.4%	1.3%	3.3%	2.4%
School counselor	—	0.4%	—	0.1%
School administrator	—	0.0%	—	0.0%
Social, welfare, or recreation worker	—	3.9%	—	0.6%

	Women		Men	
	1969	1979	1969	1979
Probable career occupation (continued):				
Statistician	—	0.1%	—	0.1%
Therapist (physical, etc.)	—	3.5%	—	0.6%
Teacher (elementary)	19.3%	7.0%	1.0%	0.5%
Teacher (secondary)	17.2%	3.0—	9.9%	2.1%
Veterinarian	—	1.4%	—	0.9%
Writer or journalist	—	2.7%	—	1.7%
Skilled trades	—	0.4%	—	2.7%
Other	—	8.9%	—	6.2%
Undecided	11.0%	11.4%	11.6%	9.4%

Student Background

	Women		Men	
	1969	1979	1969	1979
Age by December 31:				
16 or younger	0.1%	0.1%	0.1%	0.1%
17	4.8%	3.5%	3.1%	2.2%
18	79.3%	77.2%	70.0%	71.0%
19	10.6%	14.9%	17.0%	20.9%
20	1.3%	1.5%	2.7%	2.6%
21	0.6%	0.5%	1.3%	1.1%
Older than 21	3.3%	2.2%	5.8%	2.2%
Racial group				
White	90.0%	85.4%	91.6%	87.2%
Black	7.1%	10.1%	5.1%	8.2%
American Indian	0.3%	1.0%	0.3%	1.0%
Oriental	1.5%	1.2%	1.8%	1.6%
Mexican-American	—	1.2%	—	1.1%
Puerto Rican	—	1.0%	—	1.1%
Other	—	1.8%	—	2.2%
Religious preference:				
Protestant	50.8%	34.3%	48.0%	33.0%
Roman Catholic	30.2%	38.2%	26.9%	38.1%
Jewish	3.7%	3.5%	3.4%	3.8%
Other	4.8%	17.5%	4.5%	15.8%
None	10.6%	6.6%	15.3%	9.4%
Average grade in high school:				
A or A +	5.8%	10.8%	3.2%	7.5%
A −	10.7%	13.4%	6.3%	9.6%
B +	19.9%	21.7%	12.3%	16.8%
B	27.8%	28.1%	20.6%	25.8%
B −	14.5%	11.4%	16.6%	16.1%
C +	12.6%	8.9%	20.3%	14.8%
C	8.4%	5.4%	19.4%	9.0%
D	0.3%	0.2%	1.3%	0.5%
Type of secondary school:				
Public	83.4%	86.2%	83.7%	85.3%
Private, denominational	13.1%	10.9%	12.1%	11.2%
Private, nondenominational	2.9%	2.9%	3.5%	3.5%

	Women		Men	
	1969	1979	1969	1979
Remedial work needed in:				
English	—	10.1%	—	13.5%
Reading	—	4.6%	—	5.7%
Mathematics	—	24.2%	—	19.5%
Social studies	—	3.2%	—	2.3%
Science	—	11.4%	—	7.1%
Foreign language	—	8.1%	—	9.4%
Physically handicapped:				
No	—	97.5%	—	97.0%
Yes	—	2.5%	—	3.0%
Type of handicap:				
Hearing	—	9.1%	—	10.9%
Speech	—	2.3%	—	5.3%
Visual	—	38.5%	—	35.0%
Orthopedic	—	15.3%	—	17.2%
Learning disability	—	4.4%	—	4.9%
Other	—	14.3%	—	15.8%
Residence preferred in fall term:				
With parents or relatives	—	19.4%	—	21.9%
Other home or apartment	—	22.9%	—	25.9%
College dormitory	—	47.4%	—	40.5%
Fraternity or sorority	—	3.6%	—	5.0%
Other campus housing	—	4.0%	—	3.6%
Other	—	2.7%	—	3.2%

Student Finances

	Women		Men	
	1969	1979	1969	1979
Concern about financing college:				
No concern	33.0%	30.0%	35.2%	37.8%
Some concern	55.9%	53.9%	55.4%	49.4%
Major concern	11.1%	16.1%	9.4%	12.8%
Estimated parental income				
Less than $4,000	5.9%	4.8%	5.2%	3.4%
$4,000-$5,999	9.3%	4.2%	8.8%	3.2%
$6,000-$7,999	13.7%	4.2%	13.2%	3.5%
$8,000-$9,999	15.7%	4.8%	17.3%	3.7%
$10,000-$14,499	27.6%	16.0%	29.4%	14.3%
$15,000-$19,999	13.1%	13.4%	12.1%	14.5%
$20,000-$24,999	6.6%	15.9%	5.9%	17.3%
$25,000-$29,999	3.0%	9.7%	2.7%	10.8%
$30,000 or more	5.0%	26.9%	5.4%	29.3%
$30,000-$34,999	—	7.8%	—	8.6%
$35,000-$39,999	—	5.5%	—	5.6%
$40,000-$49,999	—	5.8%	—	6.2%
$50,000-$99,999	—	5.9%	—	6.7%
$100,000 or more	—	1.9%	—	2.2%
Major sources of support for college expenses:				
Personal savings or earnings	20.6%	—	36.0%	—

	Women		Men	
	1969	1979	1969	1979
Parental or family aid	57.5%	—	42.9%	—
Repayable loan	14.1%	—	11.7%	—
Scholarship, grant, gift	18.4%	—	18.0%	—
Amount of parental aid:				
None	—	30.9%	—	33.3%
$1–$499	—	21.7%	—	20.2%
$500–$999	—	10.4%	—	11.0%
$1,000–$1,499	—	7.7%	—	8.4%
$1,500–$2,000	—	7.0%	—	6.6%
Over $2,000	—	22.2%	—	20.5%
From Basic Educational Opportunity Grant:				
None	—	67.2%	—	70.0%
$1–$499	—	10.3%	—	9.4%
$500–$999	—	10.4%	—	9.3%
$1,000–$1,499	—	7.5%	—	6.8%
$1,500–$2,000	—	3.7%	—	3.3%
Over $2,000	—	0.9%	—	1.2%
Applied for aid	—	46.6%	—	42.7%
Qualified for aid	—	34.7%	—	31.3%
From Supplemental Educational Opportunity Grant:				
None	—	92.9%	—	92.7%
$1–$499	—	3.6%	—	3.5%
$500–$999	—	2.1%	—	2.3%
$1,000–$1,499	—	0.9%	—	1.0%
$1,500–$2,000	—	0.3%	—	0.4%
Over $2,000	—	0.1%	—	0.2%
From state scholarship or grant:				
None	—	84.4%	—	85.5%
$1–$499	—	8.2%	—	7.3%
$500–$999	—	4.0%	—	3.8%
$1,000–$1,499	—	1.9%	—	1.8%
$1,500–$2,000	—	1.1%	—	1.0%
Over $2,000	—	0.5%	—	0.6%
From college grant:				
None	—	88.2%	—	89.2%
$1–$499	—	4.9%	—	4.1%
$500–$999	—	3.1%	—	2.7%
$1,000–$1,499	—	1.8%	—	1.7%
$1,500–$2,000	—	0.9%	—	0.9%
From college grant (continued):				
Over $2,000	—	1.1%	—	1.4%
From other private grant:				
None	—	92.5%	—	93.8%
$1–$499	—	4.1%	—	3.0%
$500–$999	—	1.8%	—	1.5%
$1,000–$1,499	—	0.8%	—	0.8%
$1,500–$2,000	—	0.4%	—	0.4%
Over $2,000	—	0.3%	—	0.5%
From federal guaranteed student loan:				
None	—	87.5%	—	86.0%
$1–$499	—	1.6%	—	1.9%
$500–$999	—	1.8%	—	2.2%
$1,000–$1,499	—	2.6%	—	2.7%
$1,500–$2,000	—	2.9%	—	2.9%
Over $2,000	—	3.5%	—	4.4%
Applied for aid	—	7.8%	—	9.6%
Qualified for aid	—	8.3%	—	10.3%
From National Defense Student Loan:				
None	—	91.9%	—	92.6%
$1–$499	—	2.6%	—	2.2%
$500–$999	—	2.4%	—	2.3%
$1,000–$1,499	—	1.8%	—	1.8%
$1,500–$2,000	—	0.7%	—	0.6%
Over $2,000	—	0.6%	—	0.6%
From college loan:				
None	—	96.8%	—	96.4%
$1–$499	—	0.9%	—	0.9%
$500–$999	—	0.7%	—	0.8%
$1,000–$1,499	—	0.7%	—	0.7%
$1,500–$2,000	—	0.5%	—	0.5%
Over $2,000	—	0.5%	—	0.7%
From other loan:				
None	—	96.4%	—	96.6%
$1–$499	—	0.8%	—	0.8%
$500–$999	—	0.7%	—	0.7%
$1,000–$1,499	—	0.7%	—	0.6%
$1,500–$2,000	—	0.6%	—	0.5%
Over $2,000	—	0.7%	—	0.7%
From college work-study program:				
None	—	87.3%	—	89.4%
$1–$499	—	6.3%	—	4.9%
$500–$999	—	4.8%	—	4.0%
$1,000–$1,499	—	1.3%	—	1.2%
$1,500–$2,000	—	0.2%	—	0.2%
Over $2,000	—	0.1%	—	0.2%
From part-time employment:				
None	—	76.5%	—	74.9%
$1–$499	—	17.5%	—	16.5%
$500–$999	—	4.2%	—	5.6%
$1,000–$1,499	—	1.0%	—	1.6%
$1,500–$2,000	—	0.3%	—	0.6%
Over $2,000	—	0.4%	—	0.8%
From full-time employment:				
None	—	98.3%	—	97.3%
$1–$499	—	0.8%	—	1.2%
$500–$999	—	0.4%	—	0.6%
$1,000–$1,499	—	0.2%	—	0.4%
$1,500–$2,000	—	0.1%	—	0.2%
Over $2,000	—	0.2%	—	0.5%
From summer employment:				
None	—	58.3%	—	55.7%
$1–$499	—	25.6%	—	21.3%
$500–$999	—	10.5%	—	12.7%
$1,000–$1,499	—	3.8%	—	6.0%

	Women		Men	
	1969	1979	1969	1979
$1,500–$2,000	—	1.1%	—	2.3%
Over $2,000	—	0.6%	—	2.0%
From other savings:				
None	—	82.2%	—	81.9%
$1–$499	—	12.1%	—	11.1%
$500–$999	—	2.8%	—	3.3%
$1,000–$1,499	—	1.5%	—	1.5%
$1,500–$2,000	—	0.6%	—	0.7%
Over $2,000	—	0.8%	—	1.4%
From spouse:				
None	—	99.1%	—	99.3%
$1–$499	—	0.5%	—	0.3%
$500–$999	—	0.2%	—	0.1%
$1,000–$1,499	—	0.1%	—	0.1%
$1,500–$2,000	—	0.0%	—	0.0%
Over $2,000	—	0.1%	—	0.1%
From personal G.I. benefits:				
None	—	99.6%	—	98.7%
$1–$499	—	0.2%	—	0.4%
$500–$999	—	0.1%	—	0.2%
$1,000–$1,499	—	0.0%	—	0.2%
$1,500–$2,000	—	0.0%	—	0.1%

	Women		Men	
	1969	1979	1969	1979
Over $2,000	—	0.1%	—	0.5%
From parent's G.I. benefits:				
None	—	98.8%	—	98.9%
$1–$499	—	0.6%	—	0.5%
$500–$999	—	0.2%	—	0.2%
$1,000–$1,499	—	0.1%	—	0.1%
$1,500–$2,000	—	0.1%	—	0.1%
Over $2,000	—	0.2%	—	0.2%
From Social Security benefits:				
None	—	94.1%	—	95.3%
$1–$499	—	3.1%	—	2.1%
$500–$999	—	1.0%	—	0.9%
$1,000–$1,499	—	0.7%	—	0.7%
$1,500–$2,000	—	0.5%	—	0.4%
Over $2,000	—	0.5%	—	0.7%
From other sources:				
None	—	96.6%	—	95.9%
$1–$499	—	1.5%	—	1.3%
$500–$999	—	0.6%	—	0.5%
$1,000–$1,499	—	0.3%	—	0.3%
$1,500–$2,000	—	0.2%	—	0.2%
Over $2,000	—	0.7%	—	1.9%

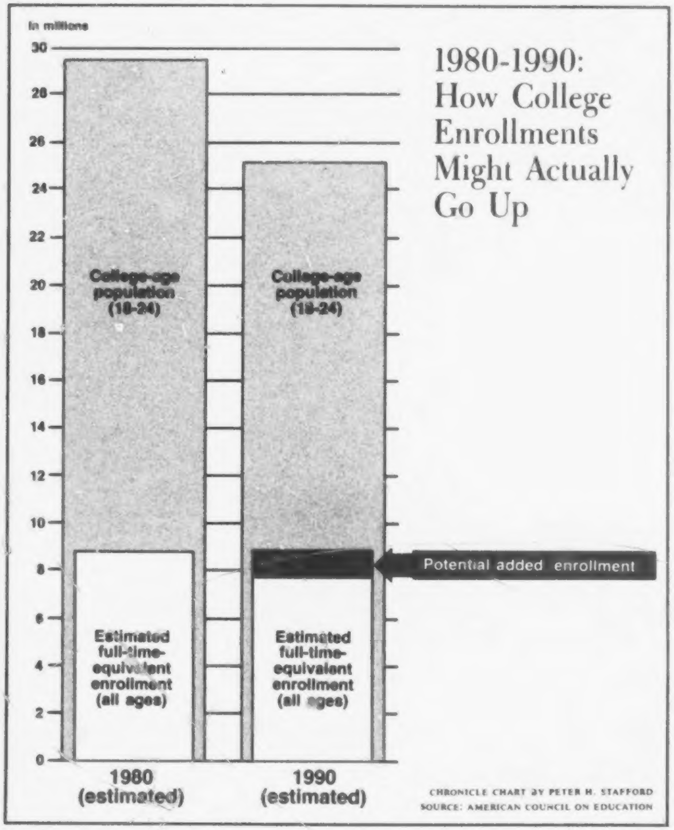
Student Attitudes

	Women		Men	
	1969	1979	1969	1979
Students' political views:				
Far left	2.2%	1.9%	3.8%	2.2%
Liberal	28.3%	22.0%	30.5%	23.1%
Middle of the road	47.3%	61.5%	42.2%	54.1%
Conservative	20.6%	14.0%	20.4%	19.4%
Far right	1.6%	0.7%	3.1%	1.2%
Students agree strongly or somewhat that:				
Colleges should regulate students off campus	19.1%	13.9%	20.4%	16.8%
Students should evaluate faculty	66.3%	70.7%	68.5%	70.4%
Colleges should regulate student publications	52.0%	41.2%	52.0%	39.3%
Colleges have a right to ban speakers	28.9%	23.8%	34.7%	27.6%
Marijuana should be legalized	22.4%	43.6%	28.1%	48.6%
The disadvantaged should receive preferential treatment	39.0%	37.5%	43.3%	39.0%
Capital punishment should be abolished	59.0%	40.7%	50.0%	28.0%
Criminals have too many rights	46.8%	57.0%	60.0%	68.1%
Abortion should be legalized	74.1%	53.6%	77.9%	53.0%
Divorce laws should be liberalized	35.2%	46.0%	46.5%	51.6%
Government is not controlling pollution	—	84.1%	—	77.3%
Government is not protecting consumers	—	76.7%	—	70.8%
Federal government should discourage energy use	—	84.7%	—	80.6%
More money is needed to solve urban problems	—	48.4%	—	49.9%

	Women		Men	
	1969	1979	1969	1979
Student agrees strongly or somewhat that:				
Large families should be discouraged	—	41.1%	—	51.1%
Sex is okay if people like each other	—	33.7%	—	65.7%
Women should get job equality	—	96.1%	—	88.4%
Wealthy people should pay more taxes	—	68.5%	—	71.9%
Busing pupils for racial balance is okay	—	46.5%	—	41.5%
Homosexual relations should be prohibited	—	39.0%	—	56.2%
College grades should be abolished	—	14.1%	—	18.4%
They should not obey laws against their own views	—	31.0%	—	35.7%
Inflation is the biggest domestic problem	—	81.4%	—	78.6%
A national health care plan is needed	—	62.8%	—	59.0%
Energy shortages may cause a depression	—	88.2%	—	86.7%
Grading in high school is too easy	—	60.2%	—	59.9%
Living together before marriage is all right	—	38.0%	—	50.3%
Public colleges should adopt open admissions	—	34.3%	—	36.3%
The same degree standard should be used for all	—	76.6	—	78.7%
Objectives considered to be essential or very important:				
Achieve in a performing art	13.7%	13.6%	9.5%	10.9%
Be an authority in my field	54.3%	70.5%	62.9%	75.3%
Obtain recognition from peers	35.3%	49.8%	45.3%	54.7%
Influence political structure	12.0%	12.0%	19.6%	19.1%
Influence social values	37.1%	33.9%	31.5%	29.8%
Raise a family	77.8%	64.8%	66.5%	65.0%
Have administrative responsibility	16.4%	34.5%	29.8%	39.5%
Be very well-off financially	32.1%	56.7%	54.1%	69.1%
Help others in difficulty	75.0%	71.4%	58.2%	55.4%
Make theoretical contributions to science	5.5%	11.2%	14.0%	17.6%
Write original works	16.2%	13.8	11.8%	10.9%
Create works of art	21.2%	16.7%	11.3%	11.3%
Keep up with political affairs	49.8%	33.4%	52.5%	43.2%
Succeed in my own business	33.1%	42.5%	55.5%	55.9%
Develop a philosophy of life	85.8%	54.7%	76.5%	51.0%
Be involved in environmental cleanup	—	24.6%	—	27.6%
Promote racial understanding	—	35.0%	—	28.9%
Participate in community action	—	28.3%	—	23.5%

SOURCE: "THE AMERICAN FRESHMAN: NATIONAL NORMS FOR FALL, 1979," BY ALEXANDER W. ASTIN. PUBLISHED BY AMERICAN COUNCIL ON EDUCATION AND UNIVERSITY OF CALIFORNIA AT LOS ANGELES.

12 Ways to Win More Students in the 80's



1980-1990: How College Enrollments Might Actually Go Up

CHRONICLE CHART BY PETER H. STAFFORD
SOURCE: AMERICAN COUNCIL ON EDUCATION

Strategy	Potential increase	
	Full-time and part-time	Full-time equivalent
1. Increase high-school graduation rate to 80 per cent from the current 75 per cent.	83,000	61,000
2. Increase percentage of high-school dropouts taking tests for high-school credentials to 9.6 per cent from the current 7.6. per cent.	22,000	12,000
3. Increase college enrollment rates of young people from lower- and middle-income families to current rates for income groups $5,000 higher.	566,000	413,000
4. Increase high-school graduation rates of minority-group youths to 80 per cent from the current 69.8 per cent.	102,000	74,000
5. Increase the enrollment rate in the 18-to-24 age group to 27 per cent from the current 25 per cent.	503,000	367,000
6. Cut attrition after first and third years of college by 25 per cent.	161,000	118,000
Attract into four-year programs 25 per cent of those who complete two-year programs.	146,000	107,000
7. Increase enrollment of persons aged 25 and over because of growth in older population group.	629,000	352,000
Increase enrollment rates for persons aged 25 to 34 to 8.7 per cent from current 7.7 per cent and for persons aged 35 and over to 2.4 per cent from the current 1.4 per cent.	230,000	129,000
8. Increase enrollment rate of women aged 18 to 34 from the current 14.5 per cent to 17 per cent, the rate for men in the same age group.	1,230,000	689,000
9. Increase enrollment rate of men aged 35 to 64 from the current 1.1 per cent to 1.7 per cent, the rate for women in the same age group.	314,000	176,000
10. Increase enrollment of graduate students.	178,000	100,000
11. Enroll in colleges 2 per cent of persons enrolled in courses offered by industrial employers.	800,000	136,000
12. Increase enrollment of foreign students.	280,000	204,000
Total potential increase, 1990 over 1980		**1,098,000**

SOURCE: AMERICAN COUNCIL ON EDUCATION

Faculty Members and Administrators

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Administrators' Salaries in Academic 1979-80

Salaries of administrators in higher education this year are 5 to 10 per cent higher than they were last year, according to preliminary data from a 1979-80 survey by the College and University Personnel Association.

Position	All institutions	Public institutions	Private institutions	Universities	4-year institutions	2-year institutions
Chief executive of a system	$53,410	$48,150	$60,000	$60,000	$35,360	$46,422
Chief executive of a single institution	47,500	46,613	48,500	55,250	46,450	40,963
Executive vice-president	40,500	39,660	40,500	46,536	40,500	39,075
Chief academic officer	37,004	38,212	36,139	48,000	35,000	32,586
Chief planning officer	35,300	36,000	27,500	38,900	33,696	28,712
Chief business officer	35,949	36,000	34,775	42,250	32,667	31,833
Chief budgeting officer	28,918	29,563	24,250	31,637	23,328	23,044
Chief development officer	33,641	33,696	32,500	37,000	30,000	24,300
Chief public-relations officer	25,700	27,600	21,800	32,000	18,000	23,000
Director, alumni affairs	21,130	22,169	19,690	23,700	19,245	n/a
Chief health-professions officer	45,000	43,200	58,300	50,700	43,000	26,[illegible]
Administrator, hospital medical center	42,213	42,213	n/a	42,213	n/a	n/a
Chief student-affairs officer	31,794	34,034	27,460	39,000	27,053	30,324
Registrar	23,800	25,517	21,000	26,501	20,250	22,290
Director, admissions	25,000	25,440	24,500	28,996	24,300	23,555
Director, student financial aid	21,775	22,500	20,710	25,000	19,299	20,334
Director, student placement	20,917	22,898	17,300	23,465	18,000	19,663
Director, student counseling	25,700	26,500	21,500	28,013	23,112	25,412
Director, student union	22,174	24,744	17,978	25,000	19,450	20,507
Director, student health services	36,800	39,174	34,000	43,645	18,708	20,520
Director, student housing	20,611	22,500	17,820	23,824	17,820	10,680
Director, food services	23,000	21,413	25,212	27,000	21,480	13,163
Director, physical plant	25,570	26,200	22,890	31,475	22,325	21,625
Director, purchasing	21,000	21,640	18,400	24,272	18,100	19,572
Director, bookstore	17,916	19,572	14,200	22,728	14,600	14,551
Director, campus security	18,428	19,402	16,906	23,010	16,350	16,824
Director, legal services	31,080	32,750	29,000	30,000	n/a	29,092
Director, personnel/human resources	25,675	27,950	23,175	26,400	23,500	29,206
Director, affirmative action/equal employment	24,140	24,140	23,861	24,140	24,420	23,125
Director, employee training	22,400	26,148	19,467	22,400	n/a	n/a
Director, library services	26,750	29,323	25,450	35,000	25,087	24,841
Director, computer center	26,800	28,500	24,956	33,990	24,816	25,000
Director, information systems	27,348	27,348	28,500	32,000	21,138	25,000
Director, information office	21,750	23,000	20,456	25,000	19,967	16,652
Director, community services	25,000	24,621	29,040	27,718	26,000	24,516
Director, institutional research	25,692	27,639	22,000	30,600	22,000	21,753
Comptroller	26,750	27,092	26,000	31,000	25,000	25,479
Director, athletics	30,000	30,965	27,000	35,400	26,343	26,250

faculty members and administrators

Position	All institutions	Public institutions	Private institutions	Universities	4-year institutions	2-year institutions
Director, auxiliary services	25,517	27,292	21,400	30,012	23,000	26,800
Administrator, grants and contracts	27,180	28,728	25,000	29,100	18,060	25,110
Chief development and public relations officer	31,745	30,000	31,745	40,000	30,000	27,720
Chief planning and budget officer	46,000	n/a	41,000	46,000	n/a	n/a
Director, admissions and financial aid	28,560	30,000	26,800	34,000	25,000	30,000
Director, housing and food services	25,000	25,956	17,120	25,956	17,120	n/a
Director, personnel and affirmative action	22,008	22,599	19,333	27,084	17,912	19,410
Director, development and alumni affairs	28,000	29,125	27,276	29,125	22,725	n/a
Dean, architecture	42,019	45,000	n/a	42,019	n/a	n/a
Dean, agriculture	47,750	43,535	n/a	47,750	n/a	n/a
Dean, arts and letters	35,000	33,157	35,000	37,072	n/a	30,000
Dean, arts and sciences	38,500	38,500	38,140	42,131	35,760	26,561
Dean, business	37,235	36,260	40,520	42,150	34,026	28,110
Dean, communications	30,000	29,300	30,000	42,225	27,320	29,164
Dean, continuing education	31,000	31,752	28,250	34,314	28,541	24,451
Dean, dentistry	55,800	29,767	n/a	58,000	n/a	n/a
Dean, education	38,494	39,095	33,391	40,200	33,160	28,349
Dean, engineering	42,000	40,339	43,500	47,950	36,200	26,962
Dean, extension	32,350	32,350	n/a	42,217	32,350	n/a
Dean, fine arts	35,584	38,000	32,310	43,000	24,420	26,100
Dean, graduate programs	38,600	38,523	38,600	38,864	29,960	n/a
Dean, health-related professions	35,149	35,149	n/a	36,800	40,603	28,000
Dean, home economics	39,000	38,735	n/a	40,300	n/a	n/a
Dean, humanities	26,200	26,318	25,252	37,380	23,234	26,200
Dean, instruction	24,000	24,938	n/a	n/a	n/a	n/a
Dean, law	48,500	48,216	50,000	48,500	n/a	n/a
Dean, library and information sciences	32,990	32,600	39,000	35,300	35,587	16,724
Dean, medicine	62,500	62,500	n/a	62,653	n/a	n/a
Dean, music	33,900	35,166	32,000	39,500	32,000	26,560
Dean, nursing	32,546	32,546	24,034	38,830	22,113	23,750
Dean, vocational education	29,790	29,862	n/a	35,775	32,890	28,991
Dean, pharmacy	45,580	45,580	n/a	45,580	n/a	n/a
Dean, sciences	30,630	32,255	28,743	36,948	31,030	28,421
Dean, social sciences	29,113	28,185	31,500	36,800	31,500	27,300
Dean, social work	42,000	38,600	42,850	42,400	n/a	n/a
Dean, undergraduate programs	34,098	34,098	32,100	40,050	33,541	n/a
Dean, veterinary medicine	50,800	n/a	n/a	50,800	n/a	n/a

n/a —Not applicable.

SOURCE: COLLEGE AND UNIVERSITY PERSONNEL ASSOCIATION

Average Faculty Salaries

for 1978-79 and 1979-80, by rank and discipline, based on surveys of more than 60 state universities

Discipline	Professor		Associate professor		Assistant professor	
	1978-79	1979-80	1978-79	1979-80	1978-79	1979-80
Agriculture	$25,748	$27,267	$20,267	$21,745	$17,142	$18,424
Architecture and environmental design	25,886	27,644	20,649	22,355	16,835	18,162
Area studies	26,044	27,956	19,801	21,175	15,896	17,082
Biological sciences	27,717	29,010	20,843	22,124	17,703	18,372
Business and management	29,777	31,802	23,428	24,835	19,599	21,090
Communications	26,423	27,607	20,187	21,400	16,530	17,712
Computer and information science	37,449	32,953	22,705	24,204	18,586	19,825
Education	25,955	27,269	20,426	21,679	16,730	17,700
Engineering	28,423	30,524	22,158	23,276	18,386	19,931
Fine and applied arts	24,745	25,969	18,983	20,090	15,373	16,203
Foreign languages	27,121	28,512	19,619	20,521	15,777	16,622
Home economics	26,169	27,529	20,481	21,721	16,867	17,917
Law	34,851	37,419	26,639	29,124	22,566	24,045
Letters	26,766	28,113	19,547	20,585	15,464	16,366
Library science	25,899	28,336	20,546	22,742	15,869	17,988
Mathematics	28,863	30,282	20,771	21,846	16,382	17,312
Physical science	28,718	30,471	20,794	22,278	16,639	17,932
Psychology	28,513	29,951	20,324	21,268	16,134	17,022
Public affairs and services	28,897	29,505	22,584	23,396	18,213	19,104
Social Sciences	28,384	29,546	20,502	21,761	16,383	17,330
Interdisciplinary studies	27,721	28,297	20,887	21,381	15,575	16,683
Technological and occupational programs	26,595	26,892	20,558	—	15,977	18,122
All major fields (except health professions)	**$27,950**	**$29,260**	**$20,916**	**$22,024**	**$17,112**	**$18,044**

Discipline	Instructor		All ranks	
	1978-79	1979-80	1978-79	1979-80
Agriculture	$12,727	$13,827	$21,924	$23,182
Architecture and env. design	14,221	14,905	20,819	22,450
Area studies	13,538	14,980	20,354	22,007
Biological sciences	12,743	13,721	23,031	24,187
Business and management	14,695	15,457	23,777	25,092
Communications	13,492	14,403	20,013	21,120
computer and information science	14,036	16,273	25,351	24,369
Education	13,311	14,112	20,488	21,619
Engineering	13,744	15,136	24,047	25,639
Fine and applied arts	12,657	13,273	19,283	20,289
Foreign languages	13,215	14,215	20,249	21,294
Home economics	13,211	13,984	18,825	19,991
Law	16,052	15,667	30,721	32,819
Letters	11,878	12,514	19,844	20,881
Library science	12,373	14,548	19,640	22,021
Mathematics	12,504	13,152	22,415	23,553
Physical science	13,124	14,789	24,130	25,727
Psychology	13,548	14,263	22,658	23,932
Public affairs and services	15,009	16,349	22,242	22,597
Social Sciences	13,684	14,077	22,082	23,206
interdisciplinary studies	14,696	12,890	21,360	21,865
Technological and occupational programs	12,229	14,759	20,684	19,285
All major fields	**$13,249**	**$14,042**	**$22,077**	**$23,254**

Health-Profession Disciplines

Discipline	Professor		Associate professor		Assistant professor	
	1978-79	1979-80	1978-79	1979-80	1978-79	1979-80
Health professions, general	$30,947	$31,987	$21,831	$22,548	$17,643	$18,854
Nursing (baccalaureate and higher)	25,128	27,246	19,972	21,418	16,504	17,472
Medicine (M.D. degree)	34,745	33,109	23,637	24,679	20,854	21,234
Occupational therapy	23,025	24,653	18,182	19,830	15,348	16,366
Pharmacy	27,291	28,598	21,564	22,886	17,610	18,419
Physical therapy	24,181	24,087	20,284	20,319	16,735	16,843
Dental hygiene	30,787	35,500	18,727	21,645	15,300	14,017
Public health	33,435	28,477	23,521	24,612	18,230	20,244
Veterinary medicine						
D.V.M. degree	29,335	30,730	23,849	25,375	20,458	22,200
Veterinary specialties	27,742	29,337	23,226	25,044	20,889	22,655
Speech pathology and audiology	26,651	28,990	20,601	22,418	16,625	17,376
Clinical social work	22,834	26,781	19,703	20,794	16,990	16,830
Medical laboratory technician	20,573	21,244	20,412	22,465	15,325	15,978
Other health-professions specialties	26,742	36,516	21,747	26,934	18,172	22,289

	Instructor		All ranks	
	1978-79	1979-80	1978-79	1979-80
Health professions, general	$15,450	$14,829	$20,282	$22,886
Nursing (baccalaureate and higher)	13,820	14,647	16,880	18,106
Medicine (M.D. degree)	13,332	15,251	26,945	26,002
Occupational therapy	12,900	—	16,996	17,993
Pharmacy	14,703	15,298	21,253	22,507
Physical therapy	11,941	12,022	17,935	17,580
Dental hygiene	12,883	12,756	17,832	17,063
Public health	13,945	14,858	25,728	24,871
Veterinary medicine				
D.V.M. degree	13,194	14,967	23,659	25,425
Veterinary specialties	13,715	15,772	22,802	25,526
Speech pathology and audiology	12,398	13,565	19,729	21,329
Clinical social work	14,294	15,766	18,794	20,261
Medical laboratory technician	11,668	12,970	15,582	18,017
Other health-professions specialties	13,527	13,900	20,034	28,085

Note: Data based on reports from institutions that are members of the National Association of State Universities and Land-Grant Colleges. In the 1978-79 study, 71 institutions participated. In the 1979-80 study, 68 institutions participated.

SOURCE: OFFICE OF INSTITUTIONAL RESEARCH, OKLAHOMA STATE UNIVERSITY

Faculty Salaries in Specific Disciplines

This year's averages for faculty members of all ranks, based on study data reported by 68 state universities

Agriculture and natural resources

Agriculture, general	$23,077
Agronomy	23,574
Soils science	23,087
Animal science	22,906
Dairy science	23,676
Poultry science	23,748
Fish, game, and wildlife management	22,744
Horticulture	22,487
Agricultural economics	24,210
Food science and technology	23,666
Forestry	22,508
Natural resources management	22,649
Agriculture and forestry technology	24,256
Range management	23,020

Architecture and environmental design

Environmental design, general	21,856
Architecture	22,534
Interior design	18,679
Landscape architecture	21,887
City, community, and regional planning	23,654

Area studies

Asian studies, general	22,405
Latin American studies	23,608
Middle Eastern studies	20,710
American studies	20,449

Biological sciences

Biology, general	23,608
Botany, general	23,647
Bacteriology	25,032
Plant pathology	23,279
Zoology, general	23,196
Pathology, human and animal	32,192
Pharmacology, human and animal	27,410
Physiology, human and animal	26,932
Microbiology	24,506
Anatomy	24,908
Biochemistry	25,528
Biophysics	25,007
Molecular biology	24,071
Marine biology	23,514
Biometrics and biostatistics	27,226
Ecology	24,695
Entomology	23,340
Genetics	25,968
Nutrition, scientific	26,397
Biology, other specialties	23,437

Business and management

Business and commerce, general	25,283
Accounting	25,158
Business statistics	23,462
Banking and finance	24,793
Business management and administration	25,277
Operations research	22,972
Hotel and restaurant management	23,061
Marketing and purchasing	25,452
Secretarial studies	20,523
Labor and industrial relations	25,555
Business economics	25,448

Communications

Communications, general	20,329
Journalism, printed media	22,124
Radio-television	20,480
Advertising	21,386
Communication media	19,782

Computer and information sciences

Computer and information sciences	24,385
Information sciences and systems	25,440

Education

Education, general	21,409
Elementary education, general	22,203
Secondary education, general	21,715
Higher education, general	26,730
Adult and continuing education	20,348
Special education, general	21,087
Social foundations	23,456
Educational psychology	22,815
Educational statistics and research	25,464
Student personnel	23,242
Educational administration	26,152
Educational supervision	23,555
Curriculum and instruction	21,513
Reading education	24,665
Art education	22,143
Music education	19,427
Mathematics education	23,431
Science education	22,589
Physical education	19,673
Driver and safety education	19,297
Health education	20,940
Business education	21,480
Vocational and technical education	21,701
Agricultural education	22,638
Home economics education	21,677
Education, other specialties	21,775

faculty members and administrators

Engineering	
Engineering, general	22,487
Aerospace engineering	27,830
Agricultural engineering	23,322
Bioengineering and biomedical engineering	26,113
Chemical engineering	27,413
Petroleum engineering	28,181
Civil engineering	25,524
Electrical engineering	26,338
Mechanical engineering	25,961
Metallurgical engineering	27,889
Materials engineering	28,451
Industrial and management engineering	25,269
Ceramic engineering	26,861
Textile engineering	24,549
Mining and mineral engineering	27,549
Nuclear engineering	27,821
Engineering mechanics	26,024
Environmental and sanitary engineering	25,186
Engineering technologies	20,756
Fine and applied arts	
Fine arts, general	20,188
Art	20,313
Art history and appreciation	20,693
Music	20,510
Music, liberal arts program	20,465
Dramatic arts	20,097
Dance	19,078
Applied design	18,269
Cinematography	19,080
Photography	17,629
Foreign languages	
Foreign languages, general	20,440
French	21,754
German	22,533
Spanish	22,666
Russian	21,877
Chinese	20,867
Latin	18,926
Slavic languages	24,080
Foreign languages, other specialties	19,816
Home economics	
Home economics, general	19,604
Home decoration and home equipment	18,877
Clothing and textiles	19,342
Consumer economics and home management	19,593
Family relations and child development	20,335
Foods and nutrition	20,750
Institutional and cafeteria management	18,683
Law	
Law, general	32,819
Letters	
English, general	20,498
Comparative literature	25,286
Linguistics	22,675
Classics	21,552
Speech, debate, and forensic science	20,066
English as a foreign language	19,259
Philosophy	22,273
Religious studies	22,227
Library science	
Library science, general	22,021
Mathematics	
Mathematics, general	23,326
Statistics	25,543
Physical sciences	
Physical sciences, general	23,994
Physics, general	26,314
Chemistry, general	25,437
Pharmaceutical chemistry	25,181
Astronomy	26,221
Atmospheric sciences and meteorology	26,924
Geology	25,108
Earth sciences, general	25,406
Oceanography	25,538
Psychology	
Psychology, general	24,024
Psychology, other specialties	21,611
Public affairs and services	
Community services, general	19,474
Public administration	27,531
Parks and recreation management	20,743
Social work and helping services	22,836
Law enforcement and corrections	21,188
Social sciences	
Social sciences, general	22,306
Anthropology	22,700
Economics	25,535
History	23,054
Geography	22,614
Political science and government	22,998
Sociology	22,440
Criminology	22,418
Afro-American studies	21,193
American Indian cultural studies	16,540
Mexican-American cultural studies	18,279
Urban studies	23,449
Interdisciplinary studies and others	
General liberal arts and sciences	19,390
Biological and physical sciences	23,456
Humanities and social sciences	22,615
Engineering and other disciplines	28,990
Technical and occupational curriculums	
Technical and occupational programs	22,041

faculty members and administrators

Health services and paramedical technicians	
Health services, general	18,882
Nursing	17,596
Mechanical and engineering technologies	
Mechanical and engineering technologies, general	20,119
Aeronautical and aviation technologies	17,241
Civil technologies	22,808
Mechanical and engineering technologies (other specialties)	19,766

The average salaries used are total personal earnings reported by individuals for 1976 in a Census Bureau survey.

A U.S.C. *study includes only the salary paid by a faculty member's own university, without adding any income from outside sources, such as consulting, book sales, or teaching at other institutions.*

"The comparison of nine-month salaries with other professionals' 12-month salaries is not a valid one when a majority of higher education's faculty [members] are earning above-base salaries," says the U.S.C. *report.*

Data on 3,718 faculty members with nine-month contracts showed that seven in every 10 had additional university income, ranging from 1 per cent to 56 per cent of their base salaries.

A majority of those who had extra earnings were getting between 10 and 30 per cent more than their base salaries from extra teaching, research, or other services. The average was 21.5 per cent of base salary.

SOURCE: OFFICE OF INSTITUTIONAL RESEARCH, OKLAHOMA STATE UNIVERSITY

Salaries Compared with Other Professions

Profession	Average earnings
1. Health practitioners	$36,187
2. Lawyers and judges	28,175
3. Managers and executives	24,718
4. Engineers	24,332
5. Accountants	21,713
6. University and school administrators	21,378
7. Scientists	21,054
8. College faculty members	19,840
9. Social scientists	19,030
10. Technicians	18,896
11. Social and recreation workers, counselors	15,750
12. School teachers	14,982
13. Librarians and curators	14,277
14. Artists and entertainers	13,995
15. Health workers	13,634
16. Clergy and religious	10,418

Extra Salaries Received by Faculty Members

			Extra earnings **							
			Academic year		Summer					
	Base salary*		from all sources		from teaching		from research		from other	
Discipline and rank	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
Biology	108	23,264	29	1,581	41	3,142	62	4,762	3	n/a
Professor	57	27,430	18	1,840	25	3,720	30	5,455	2	n/a
Associate	37	19,460	8	1,144	10	1,985	25	4,495		—
Assistant	14	16,358	3	n/a	6	2,662	7	2,748	1	n/a
Business	256	24,684	107	3,444	89	4,127	76	4,505	24	932
Professor	88	29,927	42	4,249	32	5,114	31	5,061	5	1,271
Associate	92	22,985	37	3,225	34	3,694	19	3,936	10	1,124
Assistant	58	20,446	23	2,523	18	3,700	25	4,296	8	289
Chemistry	92	23,645	20	1,739	30	3,470	41	4,708	1	n/a
Professor	53	27,672	13	1,939	19	4,149	22	6,050		—
Associate	26	19,526	5	1,834	8	2,303	14	3,842	1	n/a
Assistant	12	15,797	2	n/a	3	n/a	4	n/a		—
Economics	63	25,030	23	2,833	39	3,580	20	4,312	10	1,737
Professor	30	31,011	13	3,865	15	4,638	13	5,300	3	n/a
Associate	18	21,327	7	1,678	14	3,451	3	n/a	4	n/a
Assistant	15	17,513	3	n/a	10	2,174	4	n/a	3	1,915
Engineering	438	24,528	154	1,685	191	3,756	295	4,649	48	1,219
Professor	257	28,062	89	1,683	94	3,954	190	5,209	27	1,400
Associate	117	20,750	33	1,583	62	3,921	74	3,989	16	978
Assistant	60	17,323	31	1,845	35	2,930	29	2,797	3	n/a
English	134	$20,846	67	$1,477	84	$3,126	16	$1,671	12	$1,388
Professor	54	26,311	29	1,958	36	4,168	5	1,835	7	1,462
Associate	48	18,853	23	1,175	29	2,808	7	1,618	4	n/a
Assistant	29	14,735	12	1,112	17	1,598	4	n/a	1	n/a
Foreign languages	51	19,712	24	1,291	31	2,375	5	1,691	7	1,544
Professor	21	24,041	11	1,565	15	2,619	2	n/a	2	n/a
Associate	15	18,250	7	1,123	10	2,301	1	n/a	2	n/a
Assistant	15	15,114	6	983	6	1,890	2	n/a	3	n/a
Philosophy	33	21,441	13	977	20	2,976	6	3,495	3	n/a
Professor	12	28,513	4	n/a	6	4,566	4	n/a	1	n/a
Associate	11	20,245	4	n/a	10	2,519	1	n/a		—
Assistant	8	14,421	3	n/a	4	n/a	1	330	2	1,083
Physics	105	25,353	15	1,676	26	3,314	74	5,586	6	2,855
Professor	74	28,291	12	2,044	18	3,943	53	6,296	4	n/a
Associate	21	19,116	2	n/a	7	1,919	14	3,645	1	n/a
Assistant	10	16,710	1	n/a	1	n/a	7	4,093	1	n/a
Psychology	148	22,553	56	2,345	55	2,441	38	4,203	6	2,429
Professor	44	29,330	12	3,014	17	2,899	13	6,021	1	n/a
Associate	54	20,368	20	3,249	21	2,768	9	2,978	2	n/a
Assistant	48	19,135	23	1,303	16	1,613	15	3,576	3	n/a

	Base salary*		Extra earnings ** Academic year from all sources		Summer from teaching		Summer from research		Summer from other	
Discipline and rank	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
Sociology	52	24,325	16	1,791	30	3,538	24	4,618	7	4,189
Professor	22	31,737	6	2,693	9	4,254	13	6,532	4	n/a
Associate	17	21,088	5	1,792	13	3,995	5	2,105	3	n/a
Assistant	11	16,327	3	n/a	7	1,821	5	2,501		—

* 1977-78 data from eight research universities.

** Averages calculated only for those faculty members receiving extra earnings equal to at least 1 per cent of their base salary.

n/a Average not calculated because there are fewer than five faculty members in the category.

— Indicates no faculty member in the category.

SOURCE: OFFICE OF INSTITUTIONAL STUDIES, UNIVERSITY OF SOUTHERN CALIFORNIA

Average Salaries
vs.
Price Index

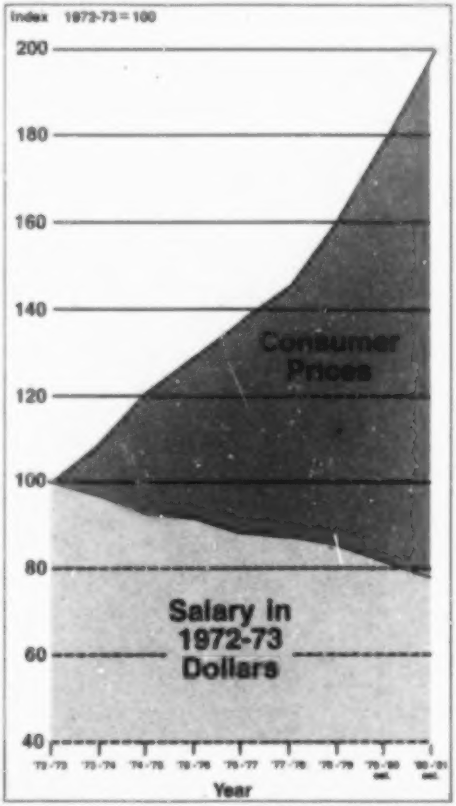

CHART BY PETER H. STAFFORD

Percentage of Faculty Members with Tenure, 1979-80

Public Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change
Professors	96.9%	96.9%	+0.0%	95.6%	96.0%	+0.4%	35.1%	96.0%	+0.9%	96.3%	96.5%	+0.2%
Men	97.0%	97.0%	+0.0%	95.5%	96.1%	+0.6%	95.3%	95.9%	+0.6%	96.4%	96.6%	+0.2%
Women	94.4%	95.4%	+1.0%	96.1%	95.1%	−1.0%	94.2%	96.6%	+2.4%	95.2%	95.4%	+0.2%
Associate professors	85.6%	86.3%	+0.7%	83.8%	83.8%	+0.0%	87.9%	89.3%	+1.4%	85.0%	85.5%	+0.5%
Men	85.8%	86.4%	+0.6%	84.1%	84.3%	+0.2%	88.7%	89.5%	+0.8%	85.3%	85.7%	+0.4%
Women	84.4%	85.4%	+1.0%	82.5%	81.9%	−0.6%	85.9%	88.8%	+2.9%	83.8%	84.4%	+0.6%
Assistant professors	19.1%	19.5%	+0.4%	38.5%	37.9%	−0.6%	56.3%	58.0%	+1.7%	33.0%	33.0%	+0.0%
Men	17.2%	17.2%	0.0%	37.5%	37.0%	−0.5%	57.9%	59.1%	+1.2%	33.4%	33.1%	−0.3%
Women	23.8%	25.0%	+1.2%	40.4%	39.6%	−0.8%	53.7%	56.2%	+2.5%	36.4%	36.9%	+0.5%
Instructors	7.0%	7.2%	+0.2%	11.6%	11.2%	−0.4%	18.4%	23.8%	+5.4%	11.9%	13.0%	+1.1%
Men	6.4%	6.7%	+0.3%	12.3%	11.9%	−0.4%	20.9%	26.0%	+5.1%	12.7%	13.8%	+1.1%
Women	7.5%	7.6%	+0.1%	10.9%	10.7%	−0.2%	15.9%	21.6%	+5.7%	11.1%	12.2%	+1.1%
Lecturers	3.3%	10.0%	+6.7%	0.6%	0.9%	+0.3%	5.6%	6.3%	+0.7%	2.4%	6.8%	+4.4%
Men	4.1%	11.0%	+6.9%	1.0%	1.2%	+0.2%	6.1%	10.3%	+4.2%	3.0%	7.7%	+4.7%
Women	2.3%	8.7%	+6.4%	0.2%	0.5%	+0.3%	5.3%	2.9%	−2.4%	1.6%	5.7%	+4.1%
No academic rank	1.8%	2.0%	+0.2%	11.0%	11.7%	+0.7%	80.7%	[illegible]	+1.1%	78.5%	79.3%	+1.0%
Men	2.6%	2.8%	+0.2%	13.2%	13.9%	+0.7%	83.6%	84.3%	[illegible]	81.4%	81.8%	+0.4%
Women	0.0%	0.0%	+0.0%	7.7%	8.1%	+0.4%	74.2%	76.4%	+2.2%	[illegible]	74.1%	+2.2%
All ranks	64.6%	65.6%	+1.0%	61.9%	62.8%	+0.9%	72.0%	74.1%	+2.1%	65.1%	66.3%	+1.2%
Men	69.8%	70.6%	+0.8%	67.2%	68.3%	+1.1%	76.3%	77.9%	+1.6%	70.0%	71.1%	+1.1%
Women	41.5%	43.6%	+2.1%	47.1%	47.5%	+0.4%	63.6%	67.1%	+3.5%	50.2%	51.9%	+1.7%

Private Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change
Professors	96.3%	96.9%	+0.6%	93.3%	93.4%	+0.1%	91.4%	92.9%	+1.5%	94.5%	94.8%	+0.3%
Men	96.3%	97.0%	+0.7%	93.5%	93.7%	+0.2%	92.1%	93.9%	+1.8%	94.7%	95.1%	+0.4%
Women	96.4%	95.4%	−1.0%	91.8%	90.9%	−0.9%	88.9%	89.7%	+0.8%	93.0%	92.0%	−1.0%
Associate professors	74.2%	75.6%	+1.4%	77.7%	76.9%	−0.8%	80.9%	80.1%	−0.8%	76.6%	76.5%	−0.1%
Men	74.1%	75.9%	+1.8%	78.4%	77.3%	−1.1%	83.2%	86.3%	+3.1%	77.0%	76.9%	−0.1%
Women	74.5%	74.1%	−0.4%	74.9%	75.0%	+0.1%	76.4%	70.0%	−6.4%	74.8%	74.7%	−0.1%
Assistant professors	13.0%	13.3%	+0.3%	22.7%	21.5%	−1.2%	30.6%	37.8%	+7.2%	19.9%	19.3%	−0.6%
Men	12.4%	13.1%	+0.7%	22.2%	21.3%	−0.9%	37.4%	42.1%	+4.7%	19.3%	19.0%	−0.3%
Women	14.3%	13.8%	−0.5%	23.8%	21.9%	−1.9%	23.5%	32.1%	+8.6%	21.2%	19.9%	−1.3%
Instructors	3.6%	3.9%	+0.3%	2.9%	2.6%	−0.3%	7.0%	8.6%	+1.6%	3.2%	3.1%	−0.1%
Men	4.9%	5.5%	+0.6%	3.3%	2.7%	−0.6%	6.5%	7.5%	+1.0%	3.7%	3.4%	−0.3%
Women	2.4%	2.5%	+0.1%	2.5%	2.4%	−0.1%	7.4%	9.7%	+2.3%	2.7%	2.7%	+0.0%
Lecturers	2.6%	2.7%	+0.1%	0.5%	0.4%	−0.1%	0.0%	0.0%	+0.0%	1.8%	1.9%	+0.1%
Men	2.6%	2.9%	+0.3%	1.0%	0.8%	−0.2%	0.0%	0.0%	+0.0%	2.1%	2.2%	+0.1%
Women	2.6%	2.3%	−0.3%	0.0%	0.0%	+0.0%	0.0%	0.0%	+0.0%	1.5%	1.4%	−0.1%
No academic rank	0.0%	0.0%	+0.0%	35.9%	34.6%	−1.3%	51.5%	50.2%	−1.3%	35.6%	34.3%	−1.3%
Men	0.0%	0.0%	+0.0%	38.9%	36.7%	−2.2%	56.2%	56.8%	+0.6%	38.8%	36.6%	−2.2%
Women	0.0%	0.0%	+0.0%	30.6%	31.0%	+0.6%	44.9%	41.9%	−3.0%	30.5%	30.7%	+0.2%
All ranks	59.6%	60.6%	+1.0%	54.7%	54.5%	−0.2%	46.5%	47.8%	+1.3%	56.1%	56.3%	+0.2%
Men	65.2%	66.4%	+1.2%	60.3%	60.4%	+0.1%	54.1%	55.2%	+1.1%	61.9%	62.4%	+0.5%
Women	35.4%	35.9%	+0.5%	38.5%	37.9%	−0.6%	36.1%	37.9%	+1.8%	37.6%	37.4%	−0.2%

All Institutions

	Universities			Other four-year institutions			Two-year institutions			All institutions		
	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change	1978-79	1979-80	Per cent change
Professors	96.7%	96.9%	+0.2%	94.6%	94.9%	+0.3%	94.9%	95.9%	+1.0%	95.8%	96.0%	+0.2%
Men	96.8%	97.0%	+0.2%	94.7%	95.1%	+0.4%	95.2%	95.8%	+0.6%	95.9%	96.2%	+0.3%
Women	94.9%	95.4%	+0.5%	94.3%	93.4%	−0.9%	93.9%	96.2%	+2.3%	94.5%	94.4%	−0.1%
Associate professors	83.1%	83.9%	+0.8%	81.5%	81.2%	−0.3%	87.6%	89.0%	+1.4%	82.7%	82.9%	+0.2%
Men	83.3%	84.1%	+0.8%	82.0%	81.7%	−0.3%	88.5%	89.4%	+0.9%	83.0%	83.3%	+0.3%
Women	82.0%	82.7%	+0.7%	79.5%	79.2%	−0.3%	85.5%	88.0%	+2.5%	81.1%	81.5%	+0.4%
Assistant professors	17.7%	18.0%	+0.3%	32.4%	31.5%	−0.9%	55.4%	57.3%	+1.9%	29.1%	28.9%	−0.2%
Men	16.1%	16.2%	+0.1%	31.6%	30.9%	−0.7%	57.3%	58.6%	+1.3%	27.8%	27.5%	−0.3%
Women	21.5%	22.2%	+0.7%	34.0%	32.7%	−1.3%	52.2%	55.3%	+3.1%	31.9%	31.7%	−0.2%
Instructors	6.3%	6.5%	+0.2%	8.4%	7.9%	−0.5%	17.7%	22.8%	+5.1%	9.5%	10.2%	+0.7%
Men	6.1%	6.4%	+0.3%	8.9%	8.3%	−0.6%	20.0%	24.8%	+4.8%	10.2%	10.8%	+0.6%
Women	6.5%	6.5%	+0.0%	7.9%	7.6%	−0.3%	15.3%	20.8%	+5.5%	8.8%	9.6%	+0.8%
Lecturers	3.2%	8.6%	+5.4%	0.6%	0.8%	+0.2%	5.1%	5.7%	+0.6%	2.3%	5.9%	+3.6%
Men	3.8%	9.4%	+5.6%	1.0%	1.1%	+0.1%	6.1%	10.3%	+4.2%	2.9%	6.7%	+3.8%
Women	2.4%	7.6%	+5.2%	0.2%	0.4%	+0.2%	4.4%	2.4%	−2.0%	1.6%	4.9%	+3.3%
No academic rank	1.1%	1.2%	+0.1%	28.7%	28.0%	−0.7%	80.0%	81.0%	+1.0%	75.6%	76.3%	+0.7%
Men	1.7%	1.8%	+0.1%	31.7%	30.2%	−1.5%	83.3%	83.8%	+0.5%	78.9%	79.1%	+0.2%
Women	0.0%	0.0%	+0.0%	23.4%	24.2%	+0.8%	73.3%	75.3%	+2.0%	68.8%	70.7%	+1.9%
All ranks	63.4%	64.4%	+1.0%	59.1%	59.5%	+0.4%	71.1%	73.3%	+2.2%	62.7%	63.6%	+0.9%
Men	68.7%	69.7%	+1.0%	64.6%	65.3%	+0.7%	75.7%	77.2%	+1.5%	67.8%	68.7%	+0.9%
Women	40.0%	41.7%	+1.7%	43.8%	43.8%	+0.0%	62.5%	65.8%	+3.3%	46.8%	48.0%	+1.2%

NOTE: These are preliminary data based on a 70.3-per-cent response. Some major systems, including State University of New York, City University of New York, and California State University and Colleges, are not included.

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS

faculty members and administrators

Scientific and Technical Articles by American Scientists and Engineers

Field and type of research	U. S. total		Colleges and universities			
			1973		1977	
	1973	1977	Number	Per cent of U. S. total	Number	Per cent of U. S. total
Biology						
Basic research	7,485	6,862	5,474	73%	5,218	76%
Applied Research	3,667	3,042	2,259	62%	1,951	64%
Biomedicine						
Basic research	15,481	15,538	11,869	77%	12,176	78%
Applied Research	640	648	451	70%	451	70%
Chemistry						
Basic research	9,861	8,418	7,046	71%	6,143	73%
Applied Research	706	558	189	27%	132	24%
Clinical medicine						
Basic research	12,596	13,088	8,450	67%	9,088	69%
Applied Research	19,967	20,334	12,331	62%	13,033	64%
Earth and space sciences						
Basic research	5,067	4,203	3,500	69%	3,047	72%
Applied Research	524	607	270	52%	300	49%
Engineering and technology						
Basic research	879	919	318	36%	287	31%
Applied Research	11,074	9,158	4,397	40%	3,583	39%
Mathematics						
Basic research	3,650	2,728	3,405	93%	2,523	92%
Applied Research	476	384	377	79%	319	83%
Physics						
Basic research	11,293	10,500	7,079	63%	6,574	63%
Applied Research	417	487	159	38%	198	41%
Psychology						
Basic research	2,332	1,893	2,061	88%	1,719	91%
Applied Research	3,207	3,057	2,722	85%	2,576	84%

U. S. Scientific and Technical Articles in Foreign Journals

Field	1973	1974	1975	1976	1977
Biology	1,660	1,711	1,999	2,180	2,049
Biomedicine	4,124	4,092	4,098	4,544	4,306
Chemistry	2,346	2,342	2,107	1,970	2,018
Clinical medicine	4,695	4,850	5,000	4,854	4,975
Earth and space sciences	1,200	1,131	996	1,109	1,126
Engineering and technology	1,382	1,338	1,195	1,255	1,302

faculty members and administrators

Field	1973	1974	1975	1976	1977
Mathematics	1,089	1,010	1,005	1,035	855
Physics	2,661	2,702	2,513	2,516	2,742
Psychology	784	695	591	728	779
All fields	**19,941**	**19,871**	**19,504**	**20,191**	**20,152**

Foreign Scientific and Technical Articles in U. S. Journals

Biology	2,013	1,889	1,865	1,803	1,971
Biomedicine	4,148	4,340	5,144	5,154	5,377
Chemistry	5,484	5,700	6,270	7,062	6,583
Clinical medicine	6,794	6,867	6,882	7,560	7,923
Earth and space sciences	1,284	1,204	1,108	1,170	1,146
Engineering and technology	3,723	3,611	3,748	3,618	3,848
Mathematics	861	907	974	1,087	1,067
Physics	4,118	4,384	4,434	5,048	5,143
Psychology	845	859	817	853	895
All fields	**29,270**	**29,761**	**31,242**	**33,355**	**33,953**

U. S. Share of World Production of Scientific and Technical Articles

Field	1974		1975		1976		1977	
	Number	Per cent of world total	Number	Per cent of world total	Number	Per cent of world total	Number	Per cent of world total
Biology	10,700	46%	10,400	45%	10,573	44%	9,904	42%
Biomedicine	15,607	38%	15,901	39%	16,271	39%	16,197	39%
Chemistry	9,867	22%	9,222	22%	9,337	22%	8,852	22%
Clinical medicine	31,691	43%	31,334	43%	32,920	43%	33,516	43%
Earth and space sciences	5,371	47%	4,975	44%	5,537	46%	5,197	45%
Engineering and technology	11,086	42%	10,431	41%	10,346	41%	10,081	40%
Mathematics	3,797	46%	3,652	44%	3,484	43%	3,112	41%
Physics	11,945	33%	11,363	32%	11,502	31%	10,995	30%
Psychology	5,694	75%	5,155	75%	5,292	74%	5,102	74%
All fields	**105,760**	**39%**	**102,432**	**38%**	**105,262**	**38%**	**102,955**	**38%**

SOURCE: NATIONAL SCIENCE BOARD

faculty members and administrators

Characteristics and Opinions of Faculty

The following data are excerpted from a survey by the National Education Association of a nationwide sample of 803 faculty members.

Copies of the study, **Higher Education Faculty: Characteristics and Opinions,** *are available from the* N.E.A. *Distribution Center, Academic Building, Saw Mill Road, West Haven, Conn. 06516.*

	Total faculty	2-year institutions	4-year institutions
Faculty characteristics:			
Percent who are female	25.6%	43.6%	20.9%
Percentage with doctor's degrees	60.7%	15.3%	72.4%
Average college-teaching experience	13 years	10 years	14 years
Average age	44 years	42 years	44 years
How would you describe the degree of academic freedom afforded faculty members at the institution that employs you?			
Great freedom	27.4%	22.9%	28.5%
Much freedom	46.5%	48.2%	46.1%
Fair degree of freedom	23.1%	24.7%	22.7%
Little freedom	3.0%	4.2%	2.7%
Are the due-process procedures for assuring faculty members at your institution just treatment in salary, welfare, and academic matters adequate or do they need improvement?			
Many improvements are needed	17.3%	24.7%	15.3%
Some improvements are needed	41.8%	42.2%	41.7%
A few improvements are needed	21.2%	16.9%	22.3%
Current procedures are adequate	19.8%	16.3%	20.7%
How would you describe the status of your institution in the number of faculty members employed part time?			
Too many part-time faculty	23.7%	42.9%	18.7%
Too few part–time faculty	7.1%	2.5%	8.4%
Reasonable balance between part-time and full-time	69.1%	54.7%	73.0%
Faculty members have no reason to be concerned over the number of faculty employed part time.			
Strongly agree	4.7%	5.5%	4.6%
Tend to agree	15.1%	9.1%	16.7%
Tend to disagree	43.5%	32.7%	46.3%
Strongly disagree	36.7%	52.7%	32.4%
Declines in college-age population are not likely to affect my institution as adversely as other institutions.			
Strongly agree	6.9%	4.2%	7.6%
Tend to agree	40.6%	36.4%	41.7%
Tend to disagree	31.6%	29.1%	32.3%
Strongly disagree	20.9%	30.3%	18.3%
Percentage of faculty members finding conditions less than satisfactory:			
Eliciting faculty opinion on issues being considered by local administration	54.5%	59.8%	53.2%
Communicating faculty concerns and problems to local administration	43.7%	42.7%	43.9%
Communicating faculty priorities and interests to institution's board of directors	61.2%	62.0%	61.0%
Advising faculty members about process for giving input to institutional planning and governance decisions	51.5%	60.6%	49.1%
Offering advice and support to a faculty member with a complaint about a local administrator	51.8%	55.9%	50.7%
Providing information and advice to faculty members about their employment rights	25.4%	27.1%	25.0%
Giving faculty members information on their own salaries, fringe benefits, perquisites, and options	16.3%	17.0%	16.1%

faculty members and administrators

	Total faculty	2-year institutions	4-year institutions
Giving faculty members summary information about salaries paid to other faculty members in the institution	57.7%	54.7%	58.5%
Giving faculty members descriptions of institutional work-load policy	44.2%	33.4%	47.0%
Communicating faculty interests to the state legislature	67.6%	67.5%	67.6%
Per cent of faculty members who say improvements are needed in institutional practices:			
Sabbatical leave policies	34.7%	33.3%	35.1%
Availability of travel funds	66.8%	62.5%	67.8%
Financial support for professional growth	69.1%	66.1%	70.0%
Sick leave provisions	15.6%	15.7%	15.6%
Parking facilities	33.7%	28.3%	35.1%
Faculty evaluation	56.7%	57.0%	56.7%
Salary level	70.5%	69.4%	70.8%
Salary equity among faculty members	64.8%	57.4%	66.7%
Summer-session salary	53.6%	54.6%	53.3%
Clear definition of faculty merit	74.8%	71.3%	75.6%
Formal reporting of faculty evaluations	54.0%	42.0%	57.2%
Promotion policies	57.6%	58.5%	57.4%
Student-faculty ratio	46.1%	47.9%	45.6%
Teaching materials and equipment	49.7%	44.5%	51.0%
Standards for notice of non-reappointment	29.5%	26.9%	30.2%
Summer employment	37.0%	35.8%	37.4%
Maternity leave	19.9%	14.2%	21.7%
Child-care services	33.2%	31.5%	33.8%
Faculty load	51.6%	53.7%	51.1%
Per cent of faculty members who say they are inadequately represented in development or implementation of selected institutional policies:			
Addition or deletion of courses	11.9%	27.6%	7.7%
Addition or deletion of programs	25.9%	36.2%	23.2%
Tenure provisions	31.5%	34.6%	30.7%
Promotion standards	37.2%	42.0%	36.0%
Faculty evaluation	29.8%	30.9%	29.5%
Faculty leaves of absence	30.8%	35.4%	29.6%
Criteria for student admission	40.1%	46.5%	38.4%
Faculty performance standards	36.4%	39.8%	35.5%
Criteria for censure or dismissal of faculty members	41.9%	50.3%	39.6%
Criteria for selection of new faculty members	27.3%	41.0%	23.7%
Criteria for selection of campus-level administrators	57.5%	61.5%	56.5%
Faculty load	46.6%	47.2%	46.5%
Professional periodicals you have read regularly or occasionally:			
AAUP Bulletin	46.4%	44.1%	47.0%
Change	21.6%	21.6%	21.5%
Chronicle of Higher Education	48.3%	47.8%	48.4%
Educational Record	12.9%	13.7%	12.8%
Journal of Higher Education	33.1%	44.1%	30.2%
Improving College and University Teaching	14.0%	17.3%	13.2%
NEA Advocate	19.2%	33.7%	15.4%

SOURCE: NATIONAL EDUCATION ASSOCIATION, "HIGHER EDUCATION FACULTY: CHARACTERISTICS AND OPINIONS."

The CREF Portfolio

Following is a list of investments of faculty pension funds by the College Retirement Equities Fund, showing the number of shares held and the market value at the end of 1978 and 1979 calendar years.

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Aerospace				
Beech Aircraft	233,310	$11,665,500	233,310	$5,745,259
Conv. deb., 4.75% 8/1/93	(par value $4,538,000)	11,571,900	(par value $5,338,000)	6,859,330
Cessna Aircraft	888,510	20,879,985	846,200	15,654,700
Raytheon	—	—	200,000	9,300,000
Rockwell International	400,000	19,250,000	373,000	13,288,125
TRW, Inc. $4.40 cum. conv. pfd. b. ...	—	—	58,100	4,764,200
United Technologies	319,200	13,725,600	319,200	12,408,900
$3.875 cum. conv. pfd.	24,000	1,350,000	24,000	1,332,000
Subtotals		**$78,442,985**		**$69,352,514**
Air transport				
Delta Air Lines	150,000	$5,868,750	150,000	$6,262,500
Northwest Airlines ..	200,000	5,525,000	200,000	5,700,000
Subtotals		**$11,393,750**		**$11,962,500**
Aluminum				
Alcan Aluminum	1,675,000	$78,515,625	675,000	$22,865,625
Aluminum Company of America	525,000	28,809,375	525,000	25,068,750
Kaiser Aluminum & Chemical	1,647,484	31,714,067	600,964	10,517,220
Kaiser Industries ...	100,000	200,000	100,000	200,000
Martin Marietta	725,000	33,712,500	725,000	21,750,000
Reynolds Metal	856,400	27,833,000	300,000	9,787,500
Reynolds $4.50 cum. conv. pfd.	21,000	1,407,000	—	—
Subtotals		**$202,191,567**		**$90,189,095**
Banks				
BankAmerica	950,000	$26,243,750	1,300,000	$33,475,000
Chase Manhattan ..	100,000	3,862,500	—	—
Citicorp	2,050,000	48,431,250	1,815,000	42,652,500
Continental Illinois	377,000	10,980,125	377,000	9,849,125
First Chicago	645,000	9,997,500	765,000	14,535,000
First City Bancorporation of Texas	215,000	8,331,250	215,000	7,121,875
Manufacturers Hanover	501,000	15,593,625	341,000	10,912,000
Mercantile Texas ...	410,530	10,519,856	299,000	7,475,000
Texas Commerce Bancshares-American General Insurance conv. deb. 6.5% 6/15/94	—	—	(par value $7,586,000)	6,941,190
Wells Fargo	700,000	18,812,500	500,000	13,562,500
Subtotals		**$152,772,356**		**$146,524,190**
Beverages				
Coca-Cola	1,748,000	$60,524,500	1,205,200	$52,878,150
PepsiCo	859,278	21,374,540	330,500	8,469,063
Conv. deb. 4.75% 8/1/96	—	—	(par value $10,771,000)	13,571,460
Subtotals		**$81,899,040**		**$74,918,673**
Broadcasters				
American Broadcasting	158,100	$6,205,425	—	—
Capital Cities Communications .	32,600	1,585,175	—	—
CBS	584,700	30,623,663	364,000	$18,473,000
Metromedia	5,000	367,500	—	—
Subtotals		**$38,781,763**		**$18,473,000**
s				
Business Services				
Automatic Data Processing	459,100	$16,068,500	230,000	$6,756,250
Deluxe Check Printers	200,000	7,100,000	200,000	6,000,000
Electronic Data Systems	331,200	8,859,600	266,200	5,057,800
Purolator	200,000	5,675,000	200,000	5,000,000
Subtotals		**$37,703,100**		**$22,814,050**

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Chemicals				
Allied Chemical	562,559	$27,635,712	725,472	$20,675,952
Diamond Shamrock	144,800	4,561,200	570,000	10,972,500
Dow Chemical	—	—	450,000	11,306,250
Du Pont	1,154,087	46,596,262	243,729	30,953,583
Hercules	1,100,000	22,687,500	—	—
International Minerals & Chemicals	266,200	16,563,825	550,000	19,387,500
Monsanto	841,800	50,192,325	614,100	28,862,700
Nalco Chemical	125,000	4,312,500	200,000	5,350,000
PPG Industries	372,300	10,750,162	—	—
Stauffer Chemical	920,000	20,700,000	480,000	18,660,000
Union Carbide	474,050	19,910,100	408,308	13,882,472
Subtotals		**$223,909,586**		**$160,050,957**
Construction & mining equipment				
Bucyrus-Erie	—	—	150,000	$ 2,325,000
Caterpillar Tractor	1,727,800	$93,301,200	832,800	48,927,000
Conv.deb. 5.5% 6/30/00	(par value $6,350,000)	6,826,250	(par value $3,350,000)	4,020,000
Subtotals		**$100,127,450**		**$55,272,000**
Construction materials & homebuilders				
Armstrong Cork	1,284,500	$21,194,250	350,300	$5,648,588
Congoleum	496,200	17,056,875	452,800	9,282,400
Jim Walter	320,000	9,840,000	300,000	8,025,000
Subtotals		**$48,091,125**		**$22,955,988**
Containers				
Continental Group	905,000	$26,131,875	455,000	$12,285,000
Crown Cork & Seal	246,000	7,164,750	231,000	6,930,000
Owens-Illinois	345,000	6,986,250	245,000	4,379,375
Subtotals		**$40,282,875**		**$23,594,375**
Cosmetics				
Avon Products	1,365,000	$53,746,875	665,000	$33,748,750
Gillette	300,000	7,912,500	540,600	14,123,175
International Flavors & Fragrances	370,000	7,261,250	370,000	8,741,250
Revlon	—	—	71,700	3,683,587
Revlon International Finance				
Conv. deb. 4.75% 6/15/83	(par value $10,995,000)	14,348,475	(par value $9,620,000)	14,285,700
Conv. deb. 4.75% 4/15/87	(par value $10,105,000)	11,115,500	(par value $8,875,000)	11,337,813
Tampax	—	—	80,000	2,400,000
Subtotals		**$94,384,600**		**$88,320,275**
Drugs				
American Home Products	2,000,000	$54,500,000	1,400,000	$39,375,000
Bristol-Myers	385,000	14,245,000	685,000	24,488,750
Johnson & Johnson	269,500	21,357,875	169,500	12,500,625
Lilly (Eli)	—	—	528,000	25,278,000
Medtronic	100,000	6,900,000	250,000	7,968,750
Merck	250,000	18,125,000	550,000	37,193,750
National Medical Care	100,000	2,675,000	—	—
Pfizer	—	—	122,300	4,020,613
Schering-Plough	1,000,000	30,375,000	925,500	27,417,938
SmithKline	190,000	11,946,250	200,000	18,300,000
Upjohn	165,700	7,808,613	182,700	8,929,462
Warner-Lambert	1,000,000	19,938,000	800,000	19,000,000
Subtotals		**$187,870,738**		**$224,472,888**
Electrical equipment				
Burndy	305,000	$9,302,500	305,000	$5,795,900
Combustion Engineering	450,000	26,662,500	450,000	14,568,750
Eltra	—	—	318,600	8,841,150
Emerson Electric	510,700	17,938,338	358,500	12,771,562
General Electric	2,444,100	124,038,075	1,879,100	88,552,587
Gould	1,133,600	26,356,200	—	—
International Telephone & Telegraph	2,330,900	59,729,312	1,012,300	27,458,638
$4.00 Cum conv. pfd. J	32,900	1,381,800	32,900	1,488,725
$4.00 Cum conv. pfd. H	24,200	1,113,200	20,000	970,000
Conv. deb. 8.625% 6/1/00	—	—	(par value $10,155,000)	$10,891,238
McGraw-Edison	788,000	20,586,500	588,000	14,553,000
Minnesota Mining & Manufacturing	320,000	16,120,000	620,000	38,982,500
Reliance Electric	—	—	325,000	9,750,000
Square D	210,300	4,889,475	116,200	2,338,525

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Electrical Equipment (Continued)				
Thomas & Betts Corporation	155,900	$6,547,800	44,800	$1,864,800
Westinghouse Electric	128,100	2,578,012	—	—
Subtotals		$317,243,712		$238,826,475
Electronics				
Advanced Micro Devices	—	—	202,500	$4,404,375
AMP	300,000	$12,075,002	300,000	9,187,500
Augat	243,300	7,207,762	153,400	3,873,350
Intel Corporation	234,375	15,820,312	156,250	7,734,375
Motorola	100,000	5,112,500	100,000	3,987,500
National Semiconductor Corporation	343,900	11,907,537	409,000	8,691,250
Plantronics	300,000	6,037,500	—	—
ROLM Corporation	85,900	3,640,012	—	—
Subtotals		$61,800,625		$37,878,350
Food & related				
Archer-Daniels-Midland	—	—	231,600	$3,242,400
Beatrice Foods	135,200	$2,771,600	116,700	2,654,925
Beatrice Foods Overseas Finance N.V.				
Conv. deb. 4.875% 8/15/93	(par value $5,800,000)	5,984,000	(par value $5,800,000)	6,715,000
Conv. deb. 6.25% 8/1/91	—	—	(par value $980,000)	984,900
Conv. deb. 7.25% 11/1/90	(par value $1,150,000)	1,334,000	(par value $725,000)	915,313
Consolidated Foods	444,000	11,544,000	—	—
CPC International	200,000	12,075,000	200,000	9,850,000
DEKALB AgResearch Incorporated Class B	—	—	179,300	4,258,375
General Foods	505,000	16,980,625	500,000	16,062,500
Kellogg Company	331,200	6,251,400	531,200	9,760,800
Kraft	325,000	15,518,750	275,000	12,306,250
Pioneer Hi-Bred International	—	—	300,000	6,037,500
Ralston Purina	1,402,000	15,422,000	880,200	10,012,275
Staley (A.E.) Manufacturing	—	—	250,000	4,187,500
Standard Brands	—	—	171,350	3,983,889
Subtotals		$87,881,375		$90,971,627
Food Stores				
Albertson's	294,300	$11,220,187	200,000	$7,375,000
Dillon Companies	461,454	7,267,900	242,236	6,843,167
Great Atlantic & Pacific Tea	816,000	7,038,000	616,000	3,542,000
Jewel Companies	355,600	9,334,500	355,600	7,156,450
Kroger	1,056,700	20,077,300	330,000	11,756,250
Lucky Stores	566,929	8,858,267	562,829	8,301,728
Conv. deb. 6.75% 7/15/00	(par value 3,000,000)	3,375,000	(par value 1,650,000)	1,716,000
Meyer (Fred)	194,716	5,695,443	191,145	5,065,343
Conv. deb. 4.5% 6/15/97	(par value $1,641,000)	2,059,455	(par value $1,591,000)	1,710,325
Safeway Stores	306,000	10,786,500	—	—
Southland Corporation	544,723	15,660,786	528,858	14,146,951
Subtotals		$101,373,338		$67,613,214
Forest Products				
Boise Cascade Corporation	162,700	$5,511,463	162,700	4,352,225
Champion International	248,300	5,928,162	248,300	5,307,413
Evans Products	219,100	4,820,200	200,000	3,550,000

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Forest Products (Continued)				
Georgia-Pacific Co.	—	—	100,000	$2,425,000
Subtotals		**$16,259,825**		**$15,634,638**
Household goods				
RCA	3,125,000	$69,531,250	630,000	$16,616,250
Singer	755,000	6,889,375	755,000	10,003,750
Whirlpool	1,550,000	$29,062,500	550,000	$10,518,750
White Consolidated Industries	400,000	9,550,000	—	—
Subtotals		**$115,033,125**		**$37,138,750**
Household products				
Clorox	876,200	$8,981,050	816,200	$8,774,150
Colgate-Palmolive	1,317,000	19,096,500	805,000	13,383,125
Dart Industries	232,300	9,117,775	147,500	5,881,562
Dart Industries $2.00 Cum. conv. pfd. A	257,500	10,042,500	257,500	10,171,250
Procter & Gamble	332,000	24,651,000	282,000	25,062,750
Purex	550,000	8,525,000	450,000	6,750,000
Unilever N.V.	450,000	27,168,750	405,400	24,628,050
Subtotals		**$107,582,575**		**$94,650,887**
Instruments				
Bausch & Lomb	—	—	37,600	$1,466,400
Beckman Instruments	600,000	$17,550,000	—	—
Hewlett-Packard	549,200	32,471,450	100,000	8,987,500
Tektronix	350,000	20,956,250	—	—
Varian Associates	320,000	9,680,000	350,000	4,725,000
Subtotals		**$80,657,700**		**$15,178,900**
Insurance companies				
Aetna Life & Casualty	2,209,950	$73,480,838	250,000	$9,687,500
American Express	275,000	8,215,625	275,000	8,009,375
American International Group	360,000	21,420,000	597,987	21,347,840
Chubb	182,500	6,935,000	150,000	4,875,000
Colonial Penn Group	—	—	350,000	8,706,250
Continental	2,340,000	62,302,500	—	—
Farmers Group	—	—	137,000	3,270,875
General Reinsurance	—	—	7,200	1,274,400
INA	550,900	27,200,687	—	—
NLT	190,000	4,465,000	317,000	7,370,250
Safeco	236,500	8,809,625	139,500	3,871,125
St. Paul Companies	792,000	32,274,000	490,000	16,292,500
Southland Financial	400,000	8,900,000	400,000	6,050,000
Transamerica	200,000	3,400,000	—	—
Travelers	2,068,680	78,868,425	733,500	24,939,000
$2.00 Cum conv. pfd.	—	—	96,800	3,533,200
United States Fidelity & Guaranty	866,500	33,360,250	361,500	11,635,750
USLIFE	—	—	575,000	10,925,000
Subtotals		**$369,631,950**		**$150,768,065**
Leisure time industry				
Disney Productions	1,000,000	$45,000,000	—	—
General Cinema	—	—	50,000	$1,650,000
Hartz Mountain	—	—	400,000	5,500,000
Twentieth Century-Fox Film	158,900	6,912,150	—	—
Warner Communications	475,000	23,453,125	—	—
Subtotals		**$75,365,275**		**$7,150,000**
Machinery—farm, industrial & related				
Amsted Industries	406,000	$15,529,500	50,000	$1,768,750
Browning-Ferris Industries	200,000	3,050,000	200,000	2,500,000
Clark Equipment	234,500	8,998,938	100,000	3,637,500
Cooper Industries	—	—	75,000	3,703,125
Deere	578,700	22,786,313	804,800	27,866,200
conv. deb. 5.5% 1/15/01	(par value $10,525,000)	12,182,687	—	—
Envirotech	—	—	100,000	1,762,500
FMC	596,800	15,516,800	289,000	7,008,250
Hyster	79,000	3,545,125	20,000	645,000
Ingersoll-Rand	68,000	3,510,500	68,000	3,298,000
Pullman	150,000	5,681,250	150,000	5,287,500
Trans Union	200,000	6,925,000	200,000	6,000,000
Subtotals		**$97,726,113**		**$63,476,825**

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Mining				
Falcon Seaboard Incorporated	—	—	100,000	$2,987,500
Inco Limited Class B ..	—	—	149,000	2,365,375
Subtotal				**$5,352,875**
Motor vehicles, equipment, & tires				
Bandag	300,000	$ 5,475,000	300,000	$3,975,000
Bendix	350,000	14,262,500	350,000	12,731,250
Cummins Engine ...	400,000	12,400,000	76,800	2,553,600
Eaton	690,000	17,681,250	—	—
Firestone Tire & Rubber	1,482,000	13,152,750	882,000	10,694,500
Ford Motor	1,972,250	63,112,000	1,307,250	54,904,500
General Motors	4,201,000	210,575,125	2,651,000	143,816,750
General Tire & Rubber	200,000	$4,200,000	—	—
Goodyear Tire & Rubber	1,625,000	20,921,875	925,000	15,031,250
Subtotals		**$361,780,500**		**$243,706,600**
Newspapers				
Dow Jones	80,300	$ 3,232,075	—	—
Gannett	450,000	21,543,750	250,000	$10,187,500
Knight-Ridder	100,000	2,600,000	—	—
Times Mirror	830,000	30,295,000	160,000	4,760,000
Subtotals		**$57,670,825**		**$14,947,500**
Office machines				
Burroughs	551,200	$43,200,300	561,200	$40,967,600
Data General	489,700	26,872,287	371,300	22,556,475
Digital Equipment ..	554,600	38,211,850	574,800	30,823,650
Honeywell	—	—	180,000	12,510,000
International Business Machines	5,581,000	360,672,125	1,160,000	345,825,000
NCR	606,100	41,972,425	574,100	34,733,050
Sperry	214,231	10,765,108	315,300	14,070,262
Conv. deb. 6% 12/15/00 ...	(par value $8,685,000)	10,465,425	(par value $4,535,000)	5,147,225
Xerox	530,000	32,926,250	530,000	27,891,250
Subtotals		**$565,085,770**		**$534,524,512**

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Oil–International				
British Petroleum ...	—	—	1,215,000	$22,173,750
Dome Petroleum ...	—	—	77,100	6,206,550
Exxon	4,235,000	$233,454,375	4,125,000	202,640,625
Gulf Oil	2,700,000	93,150,000	2,600,000	62,075,000
Imperial Oil Limited Class A ..	—	—	185,000	3,931,250
Mobil	1,350,000	74,587,500	825,000	57,337,500
Royal Dutch Petroleum	1,461,200	115,252,150	1,461,200	88,402,600
Standard Oil of California	1,121,900	63,247,113	1,321,900	61,964,062
Texaco	2,250,000	64,968,750	2,150,000	51,331,250
Subtotals		**$644,659,888**		**$556,062,587**
Paper products				
Crown Zellerbach ..	1,220,000	$53,070,000	700,000	$21,700,000
Great Northern Nekoosa	55,100	1,783,863	—	—
International Paper ..	2,289,934	84,727,558	1,204,979	43,981,733
St. Regis Paper	1,557,900	47,126,475	757,900	21,410,675
Union Camp	1,209,000	50,778,000	745,000	35,573,750
Westvaco	409,500	12,540,937	400,000	10,250,000
Subtotals		**$250,026,833**		**$132,916,158**
Petroleum–domestic				
Amerada Hess	—	—	66,112	$1,859,400
$3.50 Cum. conv. pfd.	—	—	62,700	3,895,238
Atlantic Richfield ...	340,300	$27,351,612	750,300	42,673,312
Conoco	637,700	30,131,325	1,300,000	36,562,500
Getty Oil	—	—	438,400	16,549,600
Mountain Fuel Supply	100,200	2,968,425	—	—
Phillips Petroleum ..	940,000	45,120,000	1,540,000	48,702,500
Shell Oil	864,000	46,872,000	1,300,000	41,925,000
Standard Oil of Indiana	800,000	63,100,000	1,300,000	73,612,500
Standard Oil of Ohio	—	—	200,000	8,500,000
Union Oil of California	—	—	103,500	5,886,563
Subtotals		**$215,543,362**		**$280,166,613**

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Petroleum services				
Big Three Industries	—	—	128,400	$4,269,300
Dresser Industries	—	—	200,000	7,400,000
Halliburton	400,000	$34,000,000	350,000	23,100,000
McDermott (J. Ray)	450,000	11,250,000	450,000	9,618,750
Schlumberger	1,344,450	126,042,188	877,300	83,124,175
SEDCO	500,000	28,937,500	400,000	11,950,000
Subtotals		**$200,229,688**		**$139,462,225**
Photographic equipment				
Eastman Kodak	1,500,000	$72,375,000	1,200,000	$70,500,000
Subtotals		**$72,375,000**		**$70,500,000**
Publishing				
American Greetings Class A	298,000	$3,538,750	573,000	$6,088,125
Donnelley (R.R.) & Sons	129,400	3,607,025	129,400	3,526,150
McGraw-Hill	535,000	15,180,625	200,000	4,875,000
Time	435,200	20,508,800	—	—
$1.575 Cum. conv. pfd. B	180,600	$6,185,550	180,600	5,711,475
Subtotals		**$49,020,750**		**$20,200,750**
Railroads				
Burlington Northern	—	—	200,000	$7,100,000
Chessie System	100,000	$3,050,000	100,000	2,675,000
Missouri Pacific	451,000	23,185,537	415,000	20,750,000
Norfolk & Western Railway	358,700	9,774,575	456,700	10,034,062
Santa Fe Industries	—	—	49,200	1,457,550
Seaboard Coastline Industries	250,000	7,343,750	250,000	6,625,000
Southern Railway	75,000	4,050,000	75,000	3,496,875
Union Pacific	100,000	7,225,000	300,000	15,450,000
Subtotals		**$54,628,862**		**$67,588,487**
Retail trade				
American Stores	181,000	$4,819,125	222,100	$7,218,250
Associated Dry Goods	85,000	1,785,000	—	—
Best Products	227,500	5,260,938	215,000	5,240,625
Denny's	400,000	6,200,000	201,000	5,226,000
Gordon Jewelry Class A	191,100	4,466,962	177,400	3,392,775
McDonald's	900,000	39,150,000	900,000	41,850,000
Modern Merchandising	252,600	3,662,700	252,600	3,725,850
Sears, Roebuck	560,000	10,080,000	760,000	15,105,000
Service Merchandise	231,000	3,089,625	155,000	2,635,000
Skaggs Companies	—	—	241,000	6,657,625
Subtotals		**$78,514,350**		**$91,051,125**
Savings & loan				
Ahmanson (H.F.)	250,000	$5,281,250	250,000	$4,531,250
First Charter Financial	608,000	10,868,000	770,000	11,453,750
Great Western Financial	475,000	10,450,000	400,000	10,650,000
MGIC Investment	—	—	400,000	7,350,000
Subtotals		**$26,599,250**		**$33,985,000**
Steel				
Bethlehem Steel	570,000	$12,041,250	270,000	$5,298,750
Inland Steel	106,000	3,352,250	106,000	3,710,000
Mesabi Trust	—	—	350,000	5,162,500
Republic Steel	150,000	3,656,250	—	—
United States Steel	1,000,000	17,500,000	609,000	12,941,250
Worthington Industries	150,000	2,700,000	—	—
Subtotals		**$39,249,750**		**$27,112,500**
Textile				
Burlington	480,000	$8,100,000	—	—
Subtotal		**$8,100,000**		
Trucking & related				
Consolidated Freightways	455,500	$11,273,625	121,500	$2,703,375
Leaseway Transportation	587,500	13,145,313	325,000	10,846,875
Ryder System	115,900	2,854,037	230,000	5,548,750
Yellow Freight System	310,500	4,502,250	110,500	2,154,750
Subtotals		**$31,775,225**		**$21,253,750**

faculty members and administrators

	Dec. 31, 1979		Dec. 31, 1978	
	Shares	Market value	Shares	Market value
Utilities–electric				
Arizona Public Service	550,000	$9,487,500	950,000	$19,356,250
Baltimore Gas & Electric	—	—	530,000	12,918,750
Carolina Power & Light	250,000	4,761,250	850,000	18,275,000
Central & South West	—	—	350,000	5,381,250
Cincinnati Gas & Electric	235,100	3,908,537	685,100	13,702,000
Cleveland Electric Illuminating	775,000	12,690,625	775,000	12,981,250
Consumers Power	1,570,000	29,633,750	1,330,000	29,925,000
Detroit Edison	571,696	7,003,276	510,239	6,888,238
Duke Power	550,000	9,625,000	750,000	14,531,250
Florida Power & Light	200,000	4,975,000	300,000	7,837,500
Middle South Utilities	1,705,000	21,951,875	1,705,000	25,575,000
Northern States Power	—	—	292,875	6,882,582
Ohio Edison	—	—	1,147,991	17,076,373
Oklahoma Gas & Electric	—	—	209,489	3,535,134
Pacific Gas & Electric	610,000	14,030,000	610,000	20,247,500
Public Service Electric & Gas	406,030	7,785,323	563,568	11,412,252
Southern California Edison	915,054	22,418,823	1,102,421	28,387,341
Southern	—	—	791,871	$10,285,260
Subtotals		$148,270,959		$265,197,930
Utilities–gas & pipeline				
American Natural Resources	565,000	$26,555,000	515,000	$20,020,625
Consolidated Natural Gas	400,000	16,250,000	331,100	12,581,800
Houston Natural Gas	—	—	600,000	13,350,000
Panhandle Eastern Pipe Line	419,751	25,552,342	401,632	16,065,280
Peoples Gas	194,269	8,135,014	384,612	12,305,655
Southern Natural Resources	—	—	361,400	11,474,450
Tenneco	800,000	31,000,000	725,000	21,931,250
Texas Eastern	436,000	28,994,000	536,000	18,157,000
Texas Gas Transmission	600,000	16,425,000	250,000	8,875,000
Texas Oil & Gas	—	—	539,000	17,315,375
Transco Companies	—	—	650,000	13,487,500
United Energy Resources	491,100	30,509,588	400,000	13,300,000
Subtotals		$183,420,944		$178,863,935
Utilities–telphone				
American Telephone & Telegraph	5,934,229	$309,321,687	5,115,363	$310,118,882
Bell Canada	1,514,350	$26,311,833	471,985	$25,900,221
Central Telephone & Utilities	433,000	10,987,375	333,000	7,950,375
Continental Telephone	2,324,465	37,482,006	1,839,111	26,207,332
General Telephone & Electronics	2,200,100	62,152,825	2,100,100	59,852,850
United Telecommunications	1,725,000	34,068,750	1,525,000	28,593,750
Subtotals		$480,324,476		$458,623,410
Foreign investments, by exchange				
Australia		$9,225,190		—
Belgium		3,425,293		—
France		13,261,141		—
Hong Kong		5,383,260		—
Japan		65,891,888		$82,125,538
Netherlands		4,248,516		—
Spain		3,238,357		—
Switzerland		11,130,281		—
United Kingdom		30,486,355		—
West Germany		19,997,399		—
Subtotals		$166,287,680		$82,125,538
Total market value		$6,361,970,660		$5,051,848,731

SOURCE: COLLEGE RETIREMENT EQUITIES FUND

Institutional Data

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U.S. Funds for Research in Colleges and Universities

Compared to Total Federal Obligations

Institution	Research and development Amount	Research and development Rank	Total federal obligations Amount	Total federal obligations Rank
Johns Hopkins U.	$196,081,000	1	$212,866,000	1
Mass. Inst. of Technology	114.021,000	2	130,586,000	2
Howard U.	5,715,000	126	116,195,000	3
U. of Washington	76,080,000	5	105,671,000	4
U. of Wisconsin, Madison	65,225,000	8	99,330,000	5
U. of Cal., Los Angeles	69,595,000	6	97,779,000	6
Stanford U.	80,110,000	3	94,009,000	7
U. of Minnesota	59,582,000	10	93,558,000	8
Harvard U.	68,520,000	7	89,949,000	9
U. of Cal., San Diego	77,033,000	4	88,508,000	10
U. of Michigan	58,444,000	11	86,527,000	11
Columbia U., Main Div.	64,687,000	9	84,941,000	12
Cornell U.	58,258,000	12	79,729,000	13
U. of Pennsylvania	56,138,000	13	78,350,000	14
Yale U.	53,805,000	14	67,892,000	15
Pennsylvania State U.	41,974,000	20	66,767,000	16
U. of Cal., Berkeley	49,663,000	15	65,720,000	17
Ohio State U.	33,983,000	25	64,107,000	18
U. of Chicago	48,984,000	16	61,262,000	19
U. of Southern Cal.	42,458,000	19	61,039,000	20
U. of Cal., San Francisco	46,388,000	17	59,488,000	21
U. of Illinois, Urbana	42,947,000	18	58,840,000	22
New York U.	38,235,000	22	54,905,000	23
U. of Colorado	32,091,000	27	53,375,000	24
Washington U.	41,974,000	21	52,162,000	25
U. of Texas at Austin	37,232,000	23	47,701,000	26
Duke U.	34,632,000	24	46,870,000	27
U. of Rochester	33,616,000	26	46,653,000	28
Purdue U.	29,554,000	28	44,383,000	29
U. of N. C. at Chapel Hill	26,555,000	34	43,691,000	30
Michigan State U.	21,792,000	42	43,666,000	31
U. of Utah	29,352,000	29	42,863,000	32
U. of Miami	25,744,000	38	41,713,000	33
U. of Pittsburgh	25,984,000	36	41,319,000	34
U. of Arizona	25,828,000	37	39,534,000	35
U. of Florida	21,464,000	44	38,751,000	36
U. of Cal., Davis	27,721,000	32	38,476,000	37
Northwestern U.	26,635,000	33	38,401,000	38
Inter American U. of Puerto Rico, San German	0	—	37,894,000	39
U. of Alabama, Birmingham	21,466,000	43	37,552,000	40
U. of Iowa	24,371,000	40	37,326,000	41
Boston U.	19,726,000	50	36,948,000	42
Yeshiva U.	28,710,000	30	36,340,000	43
U. of New Mexico	18,392,000	57	34,786,000	44
Case Western Reserve U.	24,730,000	39	34,659,000	45
Texas A & M U.	20,168,000	47	34,204,000	46
U. of Tennessee, Knoxville	18,462,000	56	33,329,000	47
Gallaudet College	371,000	287	33,103,000	48
Rutgers U.	13,537,000	71	32,552,000	49
U. of Kentucky	11,921,000	80	31,988,000	50
California Inst. of Tech.	28,108,000	31	30,907,000	51
U. of Missouri, Columbia	13,676,000	69	30,113,000	52
Baylor College of Medicine	26,476,000	35	30,042,000	53
Colorado State U.	20,371,000	46	20,017,000	54
U. of Virginia	18,883,000	53	28,913,000	55
U. of Maryland, College Park	18,347,000	52	28,562,000	56
Louisiana State U.	13,799,000	68	27,901,000	57
U. of Massachusetts Amherst	10,602,000	87	27,876,000	58
U. of Kansas	16,179,000	63	27,541,000	59
Oregon State U.	18,532,000	55	27,462,000	60
Indiana U., Bloomington	10,949,000	86	26,383,000	61
U. of Hawaii, Manoa	17,233,000	59	25,884,000	62
Temple U.	12,559,000	76	25,845,000	63
U. of Connecticut	14,923,000	65	25,526,000	64
Vanderbilt U.	20,139,000	48	25,050,000	65
Georgia Institute of Technology	22,122,000	41	24,877,000	66
New Mexico State U.	16,260,000	62	24,695,000	67
U. of Maryland Baltimore Professional Schools	16,592,000	61	23,467,000	68
U. of Alaska, Fairbanks	20,133,000	49	23,424,000	69
North Carolina State U., Raleigh	[illegible]	84	23,315,000	70
U. of Texas- Anderson Hospital & Tumor Institute	21,213,000	45	23,301,000	71
Virginia Polytechnic Institute and State U.	14,501,000	66	23,090,000	
U. of Georgia	14,180,000	67	22,876,000	73

Institution	Research and development		Total federal obligations	
	Amount	Rank	Amount	Rank
Wayne State U.	10,385,000	88	22,732,000	74
U. of Cincinnati	13,362,000	72	22,631,000	75
City U. of New York, Mount Sinai School of Medicine	18,868,000	54	22,317,000	76
U. of Texas Health Science Center, Dallas	16,084,000	64	22,211,000	77
Washington State U.	8,831,000	92	22,178,000	78
Woods Hole Oceanographic Institute	19,621,000	51	21,465,000	79
U. of Vermont & State Agricultural College	12,059,000	79	21,090,000	80
Princeton U.	16,759,000	60	20,721,000	81
Virginia Commonwealth U.	11,368,000	85	20,456,000	82
Florida State U.	9,511,000	89	20,303,000	83
State U. of New York, Buffalo	13,155,000	73	20,187,000	84
Puerto Rico Jr. C.	0	—	19,942,000	85
Georgetown U.	11,595,000	83	19,896,000	86
U. of Illinois Medical Center, Chicago	7,924,000	102	19,835,000	87
U. of Oklahoma	7,347,000	108	19,459,000	88
City Colleges of Chicago	0	—	19,370,000	89
Iowa State U. of Science & Technology	8,958,000	91	19,248,000	90
Oklahoma State U.	8,181,000	98	18,926,000	91
Rockefeller U.	17,473,000	58	18,868,000	92
George Washington U.	13,003,000	74	18,842,000	93
Emory U.	12,921,000	75	18,540,000	94
Mississippi State U.	6,445,000	119	18,283,000	95
Auburn U.	5,957,000	123	18,126,000	96
Carnegie Mellon U.	13,569,000	70	17,699,000	97
U. of Cal., Irvine	11,861,000	81	17,624,000	98
West Virginia U.	7,087,000	112	17,357,000	99
State U. of New York at Stony Brook	12,372,000	77	17,173,000	100
U. S. total	**$2,089,954,000**		**$3,098,257,000**	

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[1] Amounts shown represent total obligations from 14 federal agencies which accounted for over 95 percent of all federal obligations to universities and colleges in the United States and for 99 percent of all federal obligations to such institutions for research and development. These proportions may not apply to all individual institutions, some of which receive significant amounts of their funding from agencies not included in the survey, such as the Department of Justice, the Veterans' Administration, and the Smithsonian Institution. Amounts shown represent awards to individual institutions. Awards to the administrative offices of university systems are excluded from institutional totals because final allocation of funds is unknown but are included in "U. S. total."

[2] Howard U. and Gallaudet C. receive substantial appropriations from Congress each year for general operating expenses: their relative rankings thus reflect the magnitude of their nonscience programs.

SOURCE: NATIONAL SCIENCE FOUNDATION

Patterns of Research Spending

Basic Research Expenditures by Performer

(Amounts in millions of dollars)

Year	Colleges and universities	Federal centers[1]	Other non-profit institutions	Federal government laboratories	Industry[2]	Total
1960	$ 433	$ 97	$131	$160	$376	$1,197
1961	536	115	149	206	395	1,401
1962	659	136	190	251	488	1,724
1963	814	159	215	255	522	1,965
1964	1,003	191	232	314	549	2,289
1965	1,138	208	253	364	592	2,555
1966	1,303	227	275	385	624	2,814
1967	1,457	250	285	418	629	3,039

(Amounts in millions of dollars)

Year	Colleges and universities	Federal centers[1]	Other non-profit institutions	Federal government laboratories	Industry[2]	Total
1968	1,649	276	297	410	642	3,274
1969	1,711	275	305	516	618	3,425
1970	1,796	269	305	541	602	3,513
1971	1,914	260	322	491	590	3,577
1972	2,022	250	345	538	593	3,748
1973	2,055	297	357	537	631	3,877
1974	2,153	285	396	611	699	4,144
1975	2,410	309	407	682	719	4,527
1976	2,547	359	439	719	817	4,881
1977 prelim.	2,787	402	479	866	906	5,440
1978 est. ...	3,165	410	520	975	975	6,045

Basic Research Expenditures by Source

(Amounts in millions of dollars)

Year	Colleges and universities	Other non-profit institutions	Federal government	Industry	Total
1960	$ 72	$ 68	$ 715	$342	$1,197
1961	85	81	874	361	1,401
1962	102	97	1,131	394	1,724
1963	121	108	1,311	425	1,965
1964	144	114	1,597	434	2,289
1965	164	121	1,809	461	2,555
1966	196	129	1,979	510	2,814
1967	223	140	2,184	492	3,039
1968	276	149	2,314	535	3,274
1969	298	162	2,425	540	3,425
1970	350	182	2,453	528	3,513
1971	400	196	2,434	547	3,577
1972	414	218	2,553	563	3,748
1973	408	224	2,640	605	3,877
1974	432	237	2,826	649	4,144
1975	479	273	3,087	688	4,527
1976	481	285	3,355	760	4,881
1977 prelim.	527	317	3,756	840	5,440
1978 est. ...	600	360	4,190	895	6,045
1979 est. ...	n/a	n/a	n/a	n/a	6,700

[1] Federally funded research and development centers administered by universities.
[2] Includes industry-associated federally funded research and development centers.
n/a =not available.

Applied Research Expenditures by Source

(Amounts in millions of dollars)

Year	Colleges and universities	Other non-profit institutions	Federal government	Industry	Total
1960	$ 66	$ 40	$1,688	1,226	$ 3,020
1961	69	47	1,754	1,195	3,065
1962	70	58	2,067	1,470	3,665
1963	72	62	2,125	1,483	3,742
1964	77	61	2,397	1,593	4,128
1960	$138	$108	$2,403	$1,568	$ 4,217
1961	154	128	2,628	1,556	4,466
1962	172	155	3,198	1,864	5,389
1963	193	170	3,436	1,908	5,707
1964	221	175	3,994	2,027	6,417
1965	88	73	2,524	1,654	4,339
1966	99	89	2 582	1,841	4,601
1967	102	95	2,717	1,889	4,803
1968	97	99	2,841	2,125	5,162
1969	105	106	2,811	2,320	5,342
1970	98	115	3,074	2,426	5,713
1971	115	122	3,114	2,492	5,843
1972	141	125	3,172	2,614	6,052
1973	174	140	3,474	2,889	6,677
1974	203	156	3,659	3,326	7,344
1975	224	177	4,027	3,519	7,947
1976	290	211	4,592	3,992	9,085
1977 (preliminary)	307	228	4,931	4,414	9,880
1978 (estimate)	340	250	5,285	4,850	10,725
1979 (estimate)	n/a	n/a	n/a	n/a	11,750

Total Research Expenditures by Source

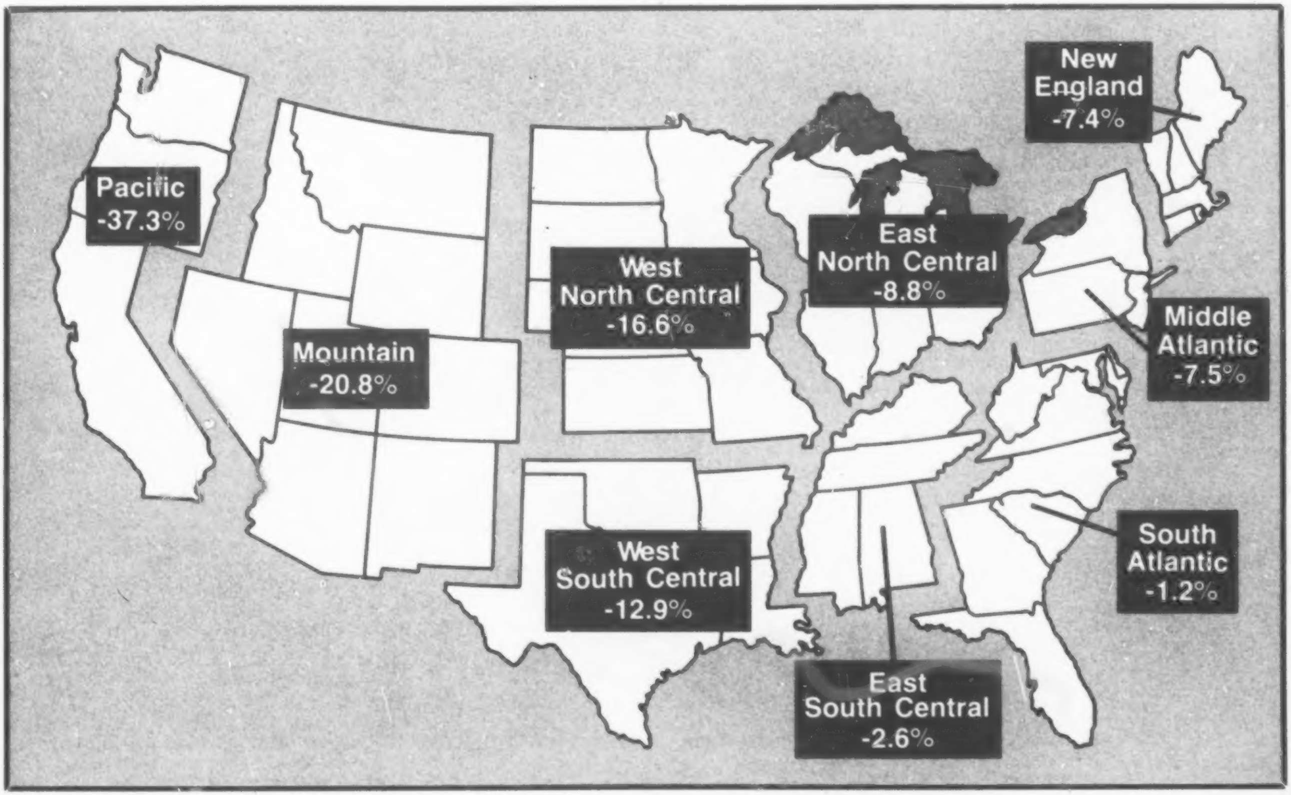
1965	252	194	4,333	2,115	6,894
1966	285	218	4,561	2,351	7,415
1967	325	235	4,901	2,381	7,842
1968	373	248	5,155	2,660	8,436
1969	403	268	5,236	2,860	8,767
1970	448	297	5,527	2,954	9,226
1971	515	318	5,548	3,039	9,420
1972	555	343	5,725	3,177	9,800
1973	582	364	6,114	3,494	10,554
1974	635	393	6,485	3,975	11,488
1975	703	450	7,114	4,207	12,474
1976	771	496	7,947	4,752	13,966
1977 (preliminary)	834	545	8,687	5,254	15,320
1978 (estimate)	940	610	9,475	5,745	16,770
1979 (estimate)	n/a	n/a	n/a	n/a	18,450

n/a Not available

SOURCE: NATIONAL SCIENCE BOARD

Heating Index for a Mild Winter

(and Change from Normal)


Pacific
-37.3%
Mountain
-20.8%
West
North Central
-16.6%
West
South Central
-12.9%
East
North Central
-8.8%
East
South Central
-2.6%
New
England
-7.4%
Middle
Atlantic
-7.5%
South
Atlantic
-1.2%

Heating Index for a Mild Winter

Change from 1978-79 (decrease)

Region	Degree days † 1979-80	Change from 1978-79	Change from normal
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont)	4,472	− 7.4%	− 1.6%
Middle Atlantic (New Jersey, New York, Pennsylvania)	4,098	− 7.5%	− 0.9%
South Atlantic (Delaware, District of Columbia, Florida, Georgia, Maryland, North Carolina, South Carolina, Virginia, West Virginia)	2,381	− 1.2%	− 0.8%
East North Central (Illinois, Indiana, Michigan, Ohio, Wisconsin)	4,829	− 8.8%	+ 1.5%
West North Central (Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, South Dakota)	4,979	− 16.6%	− 1.0%
East South Central (Alabama, Kentucky, Mississippi, Tennessee)	2,793	− 2.6%	+ 2.6%
West South Central (Arkansas, Louisiana, Oklahoma, Texas)	1,989	− 12.9%	+ 3.9%
Mountain (Arizona, Colorado, Idaho, Montana, New Mexico, Nevada, Utah, Wyoming)	3,489	− 20.8%	− 7.9%
Pacific (California, Oregon, Washington)	1,573	− 37.3%	− 31.3%
United States (Not including Alaska and Hawaii)	3,449	− 10.6%	− 1.9%

† Heating degree days, July 1, 1979, through March 3, 1980. This index of heating demand is the cumulative total of the number of degrees by which the average daily temperature falls below 65 degrees Fahrenheit.

SOURCE: CENTER FOR ENVIRONMENTAL ASSESSMENT SERVICES, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

1978-79 Holdings of U.S. and Canadian Members of the Association of Research Libraries

	Volumes in library		Volumes added		Current serials		Spending for materials	
University libraries	Number	Rank	Number	Rank	Number	Rank	Number	Rank
U. of Alabama	1,219,094	85	51,962	76	12,476	88	$ 932,375	91
U. of Alberta	1,980,523	36	91,639	27	14,271	75	2,594,383	16
U. of Arizona	2,184,023	29	98,539	23	18,337	52	2,481,478	21
Arizona State U.	1,384,266	66	82,798	36	16,768	62	1,635,074	46
Boston U.	1,287,618	80	42,098	92	23,453	36	1,154,201	76
Brigham Young U.	1,367,073	68	56,362	65	17,411	59	n/a	n/a
U. of British Columbia	2,018,865	34	83,838	33	22,982	38	2,722,613	11
Brown U.	1,636,206	57	42,632	91	14,511	73	1,029,616	89
U. of California:								
Berkeley	5,597,154	4	169,857	8	99,873	1	3,164,447	6
Davis	1,525,544	60	74,421	49	41,684	15	2,313,202	22
Los Angeles	4,109,146	13	129,752	12	56,316	7	3,120,650	7
Riverside	947,698	95	32,748	95	17,925	55	1,028,195	90
San Diego	1,332,525	74	58,903	60	25,648	30	1,722,651	35
Santa Barbara	1,325,063	76	51,922	77	18,075	54	1,643,410	45
Case Western Res. U	1,346,464	70	29,016	96	13,422	83	894,353	93
U. of Chicago	4,182,938	12	175,566	7	44,004	14	1,700,385	38
U. of Cincinnati	1,217,245	86	45,286	87	16,329	65	1,230,585	70
U. of Colorado	1,811,881	43	58,511	62	10,990	90	1,066,787	84
Colorado State U.	1,182,029	89	54,758	71	16,794	61	781,235	95
Columbia U.	4,924,469	7	116,343	17	57,388	8	2,163,221	24
U. of Connecticut	1,710,546	51	71,794	52	18,969	49	1,715,247	37
Cornell U.	4,207,146	11	118,031	16	51,917	10	2,494,732	19
Dartmouth C.	1,347,736	69	55,087	68	17,253	60	1,068,668	82
Duke U.	3,022,639	[illegible]	81,730	38	32,140	19	1,801,479	34
Emory U.	1,588,158	58	59,787	58	14,524	72	1,523,009	52
U. of Florida	2,079,344	33	139,413	10	23,080	37	3,724,602	2
Florida State U.	1,336,701	72	74,967	48	13,543	80	2,959,081	9
Georgetown U.	1,192,353	87	68,377	54	16,343	64	1,143,083	77
U. of Georgia	1,893,897	40	83,728	34	31,039	21	2,079,431	26
U. of Guelph	1,082,918	92	79,098	44	8,132	97	1,055,334	86
Harvard U.	9,913,992	1	241,400	2	95,000	2	4,262,774	1
U. of Hawaii	1,663,639	52	65,811	55	27,724	26	1,323,880	63
U. of Houston	1,650,049	54	79,743	42	17,596	58	1,816,760	33
Howard U.	1,058,514	93	46,021	85	9,427	94	1,290.499	65
U. of Illinois	5,759,666	3	161,279	9	91,913	3	2,759,245	10
Indiana U.	5,029,534	6	235,210	3	44,140	13	3,714,979	3
U. of Iowa	2,216,970	28	89,522	29	27,794	25	2,125,288	25
Iowa State U.	1,296,074	79	59,446	59	16,504	51	1,464,652	56
Johns Hopkins U.	2,287,058	27	42,638	90	14,270	76	1,231,659	69

University libraries	Volumes in library		Volumes added		Current serials		Spending for materials	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank
Joint U.*	1,449,616	61	50,148	78	15,439	69	1,196,879	74
U. of Kansas	2,079,434	32	87,612	31	27,645	27	1,718,395	36
Kent State U.	1,317,916	77	76,734	47	8,899	95	635,784	96
U. of Kentucky	1,753,044	48	56,333	66	25,310	32	1,476,197	54
Louisiana State U.	1,760,696	45	56,045	67	17,908	56	1,526,627	51
McGill U.	1,938,334	38	77,127	46	16,097	67	1,688,313	39
McMaster U.	940,261	96	40,893	94	9,830	91	1,850,601	31
U. of Maryland	1,335,018	73	57,712	63	16,161	66	1,658,643	43
U. of Massachusetts	1,654,927	53	71,957	51	14,180	78	1,030,813	88
Mass. Inst. of Tech.	1,759,971	46	71,388	53	18,849	50	1,050,515	87
U. of Miami (Fla.)	1,301,100	78	49,406	79	13,476	82	1,165,687	75
U. of Michigan	5,135,952	5	119,465	15	52,460	9	2,529,438	17
Michigan State U.	2,523,553	23	101,898	22	24,406	34	1,663,282	42
U. of Minnesota	3,702,599	15	87,705	30	44,450	12	2,062,676	27
U. of Missouri	1,984,632	35	57,015	64	20,187	46	1,404,436	58
U. of Nebraska	1,441,515	62	60,379	57	21,707	43	1,423,331	57
U. of New Mexico	962,804	94	60,433	56	13,052	85	1,131,000	78
New York U.	2,700,201	22	104,658	20	23,696	35	1,675,404	41
U. of North Carolina	2,487,122	24	120,668	14	35,479	18	2,489,464	20
Northwestern U.	2,714,938	21	81,433	39	29,087	23	1,652,746	44
U. of Notre Dame	1,383,114	67	41,180	93	14,295	74	1,066,090	85
Ohio State U.	3,446,729	17	103,210	21	30,667	22	1,676,993	40
U. of Oklahoma	1,731,113	50	45,390	86	15,016	70	1,091,606	81
Oklahoma State U.	1,230,802	84	24,299	97	9,518	93	631,031	97
U. of Oregon	1,424,882	64	48,253	82	22,064	40	1,381,080	61
U. of Pennsylvania	2,889,788	20	80,068	41	26,185	29	$ 1,471,368	55
Pennsylvania State U.	2,092,139	31	80,233	40	22,777	39	1,860,518	30
U. of Pittsburgh	2,375,542	25	97,204	25	19,428	48	1,566,108	48
Princeton U.	3,172,238	18	82,632	37	31,361	20	2,199,875	23
Purdue U.	1,388,152	65	44,064	89	18,125	53	1,326,001	62
Queen's U.	1,328,012	75	44,852	88	13,629	79	1,120,146	79
Rice U.	901,953	98	21,276	98	8,655	96	851,070	94
U. of Rochester	1,647,000	55	54,100	73	11,300	89	1,262,000	66
Rutgers U.	2,166,200	30	90,402	28	24,436	33	2,713,000	12
U. of South Carolina	1,752,407	49	97,566	24	16,674	63	1,503,721	53
U. of So. California	1,957,853	37	96,881	26	26,704	28	1,892,192	29
Southern Illinois U.	1,643,598	56	58,869	61	21,308	45	1,622,240	47
Stanford U.	4,577,827	8	134,807	11	41,292	17	3,681,762	4
State U. of New York:								
Albany	921,019	97	46,352	84	14,212	77	1,068,000	83
Buffalo	1,884,943	41	83,061	35	19,781	47	1,551,069	49
Stony Brook	1,176,920	90	52,892	75	12,811	86	1,202,525	73
Syracuse U.	1,822,027	42	74,134	50	21,715	42	1,221,246	71
Temple U.	1,544,274	59	54,830	69	13,479	81	1,210,710	72
U. of Tennessee	1,436,193	63	54,802	70	25,367	31	1,402,201	59
U. of Texas	4,406,193	9	253,578	1	60,000	4	2,620,192	13

institutional data

University libraries	Volumes in library		Volumes added		Current serials		Spending for materials	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank
Texas A&M U.	1,240,829	82	79,300	43	15,964	68	1,549,344	50
U. of Toronto	4,320,444	10	219,903	4	41,646	16	3,372,732	5
Tulane U.	1,342,878	71	47,810	83	9,550	92	903,180	92
U. of Utah	1,921,278	39	114,552	18	17,762	57	1,094,716	80
U. of Virginia	2,351,842	26	112,121	19	21,459	44	2,525,724	18
Virginia Poly. Inst. and State U.	1,141,267	91	77,883	45	21,735	41	1,825,894	32
U. of Washington	3,788,788	14	183,966	6	46,447	11	2,598,693	15
Washington State U.	1,189,899	88	48,477	81	27,816	24	1,253,071	67
Washington U. (Mo.)	1,755,180	47	53,133	74	14,806	71	1,384,692	60
Wayne State U.	1,804,932	44	54,530	72	13,407	84	1,295,844	64
U. of Western Ontario	1,284,517	81	86,575	32	n/a	n/a	1,919,188	28
U. of Wisconsin	3,475,184	16	129,271	13	52,876	8	2,607,551	14
Yale U.	7,246,195	2	189,195	5	57,740	5	3,099,221	8
York U.	1,239,118	83	48,988	80	12,758	87	1,236,444	68
Non-university libraries								
Boston Public Library Boston	4,650,289	—	196,342	—	16,614	—	2,176,636	—
Center for Research Libraries Chicago	3,301,014	—	40,084	—	14,000	—	676,304	—
John Crerar Library Chicago	1,211,758	—	18,498	—	10,637	—	299,775	—
Library of Congress Washington	18,949,850	—	319,901	—	76,583	—	4,581,838	—
Linda Hall Library Kansas City, Mo.	479,818	—	20,724	—	15,921	—	604,630	—
National Agricultural Library Beltsville, Md.	1,868,245	—	36,300	—	24,000	—	887,000	—
National Library of Canada, Ottawa	1,012,148	—	57,406	—	16,636	—	683,500	—
National Library of Medicine Bethesda, Md.	1,510,376	—	32,711	—	19,201	—	1,513,000	—
Newberry Library Chicago	1,326,191	—	10,531	—	1,023	—	[illegible]	—
N. Y. Public Library New York	4,950,955	—	88,286	—	161,011	—	3,034,000	—
N. Y. State Library Albany, N.Y.	1,712,660	—	40,242	—	29,000	—	876,870	—
Smithsonian Institution Washington	851,079	—	25,088	—	16,109	—	480,900	—

n/a – Data not available.

* – Vanderbilt U., Scarritt C., and Peabody C.

SOURCE: ASSOCIATION OF RESEARCH LIBRARIES

Continuing Education

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Mandatory Continuing Education for Professionals, by State

	Architects	Certified public accountants	Dentists	Engineers	Lawyers	Licensed practical nurses	Nurses	Nursing-home administrators	Optometrists	Psychologists	Pharmacists	Physical therapists	Physicians	Real-estate personnel	Social workers	Veterinarians
Alabama		●						●	●		●				●	●
Alaska		●					■	●	●				●			
Arizona		●			■			●	●				●	●		●
Arkansas		●						●	●	▲	●		▲			●
California		●	●		■	●	●	●		●	●		●	●		
Colorado		●			●			●		●			●		●	●
Connecticut		●						●	●							
Delaware							■	●	●						●	
Dist. of Col.		●														
Florida		●			■	●	●	●	●		●			●		●
Georgia		●			■			●	●					●		
Hawaii		●						●	●				●			
Idaho					●			●	●		●					
Illinois									●				●			●
Indiana		●							●		●					
Iowa	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●
Kansas		●	●			●	●	●	●		●	●	●	●	●	●
Kentucky			●			●	●	●	●		●		▲	■	●	●
Louisiana		●					■	●	●							
Maine		●						●	●		●		●	●	●	
Maryland		●						●	●	●			●	●	●	●
Massachusetts		●	▲			●	●	●	●				●		●	
Michigan		●				●	▲	●	●	▲	●		●			
Minnesota	▲	●	●	▲	●		●	●	●	▲	●		●	●		
Mississippi								●	●							▲
Missouri								●	●							

	Architects	Certified public accountants	Dentists	Engineers	Lawyers	Licensed practical nurses	Nurses	Nursing-home administrators	Optometrists	Psychologists	Pharmacists	Physical therapists	Physicians	Real-estate personnel	Social workers	Veterinarians
Montana		●						●	●		●					●
Nebraska		●				●	●	●	●		▲		▲			●
Nevada		●				●	●	●	●	●	●		▲	●		▲
New Hampshire							■	●	●				●			●
New Jersey			■					●	●		●					
New Mexico		●	●		■	●	●	●	●	●	●	●	●			●
New York								●						●		
North Carolina		●		▲				●	●							●
North Dakota		●	●		●	▲	▲	●	●							●
Ohio		●						●	●		●		●			●
Oklahoma								●	●		●					
Oregon		●	●				■	●	●	▲	●			●		
Pennsylvania		●						●					▲			●
Rhode Island		●							●				●			
South Carolina		●			●				●							
South Dakota		●	●			●	●	●	●		●			●	●	●
Tennessee		●							●							●
Texas		▲			■			●	●							
Utah							■		●	▲			●		●	
Vermont		●						●		▲						
Virginia									●							
Washington		●			●			●	●	●	●		●			●
West Virginia								●	●	●						
Wisconsin					●			●					●	●		
Wyoming		●			●			●	●							

● Required by statute or regulation
■ Required under certain circumstances
▲ Enabling legislation passed

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Projection of U.S. Population by Age Groups, 1978 - 2000

Year	16-17	18-21	22-24	25-29	30-34	35 and over	Total 16 and over	Total 18 and over
	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)
1978	8,425	17,106	11,874	18,055	15,894	92,183	163,535	155,110
1979	8,279	17,156	12,143	18,451	16,558	93,396	165,982	157,703
1980	8,157	17,117	12,346	18,939	17,242	94,554	168,335	160,179
1981	7,929	17,018	12,494	19,324	18,138	95,595	170,498	162,569
1982	7,549	16,875	12,483	19,775	18,086	96,747	172,428	164,879
1983	7,236	16,499	12,523	20,140	18,400	99,430	174,227	166,990
1984	7,056	15,988	12,491	20,405	18,798	101,172	175,911	168,855
1985	7,020	15,442	12,411	20,581	19,278	106,422	177,607	170,587
1986	7,151	14,871	12,212	20,771	19,674	104,687	179,367	172,215
1987	7,317	14,520	11,925	20,737	20,126	106,555	181,182	173,865
1988	7,092	14,470	11,497	20,631	20,487	108,484	182,660	175,568
1989	6,603	14,600	11,029	20,475	20,747	110,471	183,923	177,321
1990	6,345	14,506	10,641	20,169	20,917	112,503	185,082	178,737
1995	6,783	12,995	10,228	17,665	20,489	122,981	191,139	184,357
2000	7,924	14,990	9,663	16,469	17,981	132,298	199,324	191,400

SOURCE: BUREAU OF THE CENSUS

Years of School Completed (1976) Persons 25 and Over

	Number (add 000,000)	Percentage
Elementary School		
0-4 years	4.6	3.9%
5-7 years	8.4	7.1
8 years	11.5	9.7
Subtotal	24.5	20.7
High School		
1-3 years	18.2	15.3
4 years	43.1	36.3
Subtotal	61.3	51.6
College		
1-3 years	15.5	13.0
4 years or more	17.5	14.7
Subtotal	33.0	27.7
Total	118.8	100.0

SOURCE: STATISTICAL ABSTRACT OF THE U.S.

Percentage of Total Population Attending College

1960 - 1976 and Projected 1980 - 2000

	16-17	18-21	22-24	25-29	30-34	35 and over
Actual:						
1960	—	23.1%	8.3%	4.7%	2.3%	—
1970	—	33.9	14.3	7.0	3.7	—
1975	—	33.5	15.7	9.7	6.2	—
1976	3.4	33.4	16.8	9.8	5.7	1.4
Projected:						
1980	3.4	33.4	17.7	11.2	7.2	1.7
1985	3.4	33.4	18.8	13.0	8.9	2.3
1990	3.4	33.4	19.8	14.9	10.5	2.8
1995	3.4	33.4	20.9	16.7	12.2	3.4
2000	3.4	33.4	22.0	18.3	13.8	4.0

SOURCE: BUREAU OF THE CENSUS
(FOR 1980 AND BEYOND): FUTURE DIRECTIONS FOR A LEARNING SOCIETY

Projected College Enrollment by Age

	16-17	18-21	22-24	25-29	30-34	35 and over	Total	FTE
	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)	(add 000)
1978	286	5,713	2,042	1,896	1,049	1,383	12,369	9,153
1979	281	5,730	2,125	2,011	1,143	1,494	12,784	9,460
1980	277	5,717	2,185	2,120	1,241	1,607	13,147	9,597
1981	270	5,684	2,236	2,242	1,360	1,721	13,783	10,062
1982	257	5,636	2,259	2,373	1,429	1,876	13,830	10,096
1983	246	5,511	2,292	2,477	1,509	1,989	14,024	10,097
1984	240	5,340	2,311	2,591	1,598	2,125	14,205	10,228
1985	239	5,158	2,333	2,676	1,716	2,448	14,470	10,274
1986	243	4,967	2,320	2,763	1,810	2,512	14,615	10,377
1987	249	4,850	2,290	2,862	1,912	2,664	14,827	10,379
1988	241	4,833	2,230	2,909	2,028	2,821	15,062	10,543
1989	225	4,876	2,162	2,969	2,116	2,983	15,331	10,578
1990	216	4,845	2,107	3,005	2,196	3,150	15,519	10,708
1995	231	4,340	2,138	2,950	2,500	4,181	16,340	10,947
2000	269	5,007	2,126	3,014	2,481	5,292	18,189	11,823

SOURCE: NATIONAL CENTER FOR EDUCATION STATISTICS
AND FUTURE DIRECTIONS FOR A LEARNING SOCIETY

Continuing Education for Scientists & Engineers

Non-credit Activities

Organization	Number with one or more	Number of activities	Short courses	After-hours courses	Institutes	Correspondence courses	Self-study	Other
Universities	92	3,519	821	1,015	1,323	167	19	174
Professional/Technical Groups	55	1,390	145	67	900	162	83	33
Total	147	4,909	966	1,082	2,223	329	102	207

for Credit (through 56 universities)

	Activities On Campus	Activities Off-Campus	Live instruction	Media courses
Universities	1,631	1,855	2,141	1,345

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State Associations of Private Colleges

National Association of Independent Colleges and Universities

Council for the Advancement of Private Colleges in Alabama
c/o Huntingdon College, 1500 East
Fairview, Montgomery 36106
(205) 265-0511
David K. Morris, director of development
Arkansas Council of Independent Colleges and Universities
214 Hall Building, 209 West Capitol Ave.,
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37 Brookhollow Dr., Santa Ana 92705
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Connecticut Conference of Independent Colleges
36 Gillett St., Hartford 06105
(203) 522-0271
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Limestone Rd., Wilmington 19808
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Association of Private Colleges and Universities in Georgia
3121 Maple Dr., NE, Suite 2, Atlanta 30305
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306 Guaranty Building, Indianapolis 46204
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Don Bell, executive director

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Virginia F. Metz, executive secretary

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Kingdom City 65262
(314) 642-4025
David Stinson, president

Nebraska Independent College Foundation, Inc.
Univac Building, Suite 109, 7100 West Center Rd., Omaha 68106
(402) 393-8277
Howard B. Dooley, president

New England Colleges Fund, Inc.
581 Boylston St., Boston 02116
(617) 267-1182
Blair Cleveland, executive director

Independent College Fund of New Jersey
387 Morris Ave., P.O. Box 269,
Summit 07901
(201) 277-3424
Leyland M. Cobb, president

New Mexico Independent College Fund, Inc.
P.O. Box 3593, Albuquerque 87190
(505) 881-8458
Jo Ann Baxter, executive director

Empire State Foundation of Independent Liberal Arts Colleges, Inc.
11 East 44th St., Suite 1407,

New York (Cont.)
New York 10017
(212) 687-0131
K. Mark Lyons II, president

Independent College Fund of North Carolina, Inc.
Box 10430, Winston-Salem 27108
(919) 722-6321
William B. Thomas, president

North Dakota Independent College Fund
Mary College
Bismarck 58501
Florian Roehrich, executive director

Ohio Foundation of Independent Colleges, Inc.
4601 North High St., Columbus 43214
(614) 262-8738
Benjamin E. Sprunger, president

Oklahoma Independent College Foundation
8005 S. I-35 Office Park, #107
Oklahoma City 73149
(405) 631-0587
John A. Knight, chairman of the board
James A. Reid, president

Oregon Independent College Foundation, Inc.
534 S.W. Third Ave., Room516
Portland 97204
(503) 227-7568
George M. Henderson, executive director

Foundation for Independent Colleges, Inc. of Pennsylvania
University Center, 2991 North Front St., Harrisburg 17110
(717) 233-1024
John Halliwell, president

South Carolina Foundation of Independent Colleges, Inc.
P.O. Box 6998 Greenville 29606
(803) 233-6894
C. Hilburn Womble, executive director

South Dakota Foundation of Private Colleges
1501 South Prarie Ave., Sioux Falls 57105
(605) 332-5952
Rex C. Bahnson, executive director

Tennessee Independent Colleges Fund
500 Interstate Blvd. South, Nashville 37210
(615) 254-3486
Stephen H. Harmon, Jr., president

Texas Independent College Fund
2630 West Freeway, Suite 224,
Fort Worth 76102
(817) 332-5151
Max K. Jones, president

Vermont Foundation of Independent Colleges, Inc.
Development Office, Norwich University
Northfield, 05663
(802) 485-5011, ext. 279
Thomas G. McCarty, (Acting) executive director

Virginia Foundation for Independent Colleges
925 Church St., P.O.Box 1158,
Lynchburg 24505
(804) 847-6609
Mr. Lea Booth, executive director

Independent Colleges of Washington, Inc.
100 South King St., Suite 360,
Seattle 98104
(206) 623-4494
Dale G. Bailey, executive vice president

West Virginia Foundation for Independent Colleges, Inc.
415½ D St., P.O. Box 8276
South Charleston 25303
(304) 744-3031
D. Rod Trout, executive director

Western Independent Colleges Fund, Inc.
1588 South Major St., Salt Lake City, Utah 84115
(801) 467-5941
Helmut Hofmann, executive director

Wisconsin Foundation of Independent Colleges, Inc.
741 North Milwaukee St., Milwaukee 53202
(414) 273-5980
Joseph R. Bina, Jr., executive director

SOURCES: THE INDEPENDENT COLLEGE FUNDS OF AMERICA AND THE NATIONAL ASSOCIATION OF INDEPENDENT COLLEGES AND UNIVERSITIES.

Statewide Agencies for Higher Education

Following are the statewide agencies that oversee colleges and universities in the 50 states and the District of Columbia, their addresses and telephone numbers, and the names of their chief executive officers, as of May 15, 1980.

Governing boards are indicated by (G) and coordinating boards by (C).

ALABAMA

Alabama Commission on Higher Education
Suite 221, One Court Square
Montgomery 36104
John F. Porter, executive director
(205) 832-6555
(C)

ALASKA

Board of Regents
University of Alaska Statewide System
Fairbanks 99701
Jay Barton, president of the university
(907) 479-7311
(G)

ARIZONA

Arizona Board of Regents
1535 West Jefferson, Suite 121
Phoenix 85007
Robert A. Huff, executive director
(602) 255-4082
(G)

ARKANSAS

Department of Higher Education
1301 West 7th Street
Little Rock 72201
T. Michael Elliott, director
(501) 371-1441
(C)

CALIFORNIA

California Postsecondary Education Commission
1020 12th Street, 2nd floor
Sacramento 95814
Patrick M. Callan, director
(916) 445-7933
(C)

COLORADO

Colorado Commission on Higher Education
1550 Lincoln Street
Denver 80203
Lee R. Kerschner, executive director
(303) 839-2723
(C)

CONNECTICUT

State Board of Higher Education
340 Capitol Avenue
Hartford 06115
Michael D. Usdan, commissioner
(203) 566-3913
(C)

DELAWARE

Delaware State College*
Dover 19901
Luna I. Mishoe, president
(302) 678-4901
(G)

DISTRICT OF COLUMBIA

District of Columbia Commission on Postsecondary Education
421 8th street, NW, #206
Washington 20004
Eloise S. Turner, executive secretary
(202) 727-3685
(C)

FLORIDA

Florida Board of Regents
Collins Building
107 West Gaines Street
Tallahassee 32301
E. T. York, chancellor
(904) 488-4234
(G)

GEORGIA

Board of Regents of the University System of Georgia
244 Washington Street, S.W.
Atlanta 30334
Vernon Crawford, acting chancellor
(404) 656-2202
(G)

HAWAII

Hawaii State Postsecondary Education Commission
Bachman Hall, Room 124F
2444 Dole Street
Honolulu 96822
Fujio Matsuda, administrative officer
(808) 948-6862
(C)

IDAHO

State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 334-2270
(G)

ILLINOIS

Illinois Board of Higher Education
4 West Old Capitol Square
500 Reisch Building
Springfield 62701
James M. Furman, executive director
(217) 782-2551
(C)

INDIANA

Indiana Commission for Higher Education
143 West Market Street, 4th floor
Indianapolis 46204
George B. Weathersby, commissioner
(317) 232-1900
(C)

IOWA

Iowa State Board of Regents
Lucas State Office Building
Des Moines 50319
R. Wayne Richey, executive secretary
(515) 281-3934
(G)

KANSAS

Board of Regents, State of Kansas
Merchants National Bank Tower
Topeka 66612
John J. Conard, executive officer
(913) 296-3421
(G)

KENTUCKY

Council on Higher Education
West Frankfort Office
Complex, Frankfort 40601
Harry M. Snyder,
executive director
(502) 564-3553
(C)

LOUISIANA

Louisiana Board of Regents
One American Place, Suite 1530
Baton Rouge 70825
William Arceneaux, commissioner
(504) 342-4253
(C)

MAINE

University of Maine Board of Trustees
107 Maine Avenue
Bangor 04401
Patrick E. McCarthy, chancellor
(207) 947-0336
(G)

MARYLAND

Maryland State Board for Higher
Education
16 Francis Street
Annapolis 21401
Sheldon H. Knorr, commissioner
(301) 269-2971
(C)

MASSACHUSETTS

Board of Higher Education
31 Saint James Avenue, Room 323
Boston 02116
Laura B. Clausen, chancellor
(617) 727-5360
(C)

MICHIGAN

State Board of Education
P. O. Box 30008
Lansing 48909
Phillip E. Runkel, superintendent of public
instruction
(517) 373-3354
(C)

MINNESOTA

Minnesota Higher Education Coordinating
Board
400 Capitol Square
St. Paul 55101
Clyde R. Ingle, executive director
(612) 296-3974
(C)

MISSISSIPPI

Board of Trustees of State Institutions
of Higher Learning
P. O. Box 2336
Jackson 39205
E. E. Thrash, executive secretary
(601) 982-6611
(G)

MISSOURI

Coordinating Board for Higher
Education
600 Monroe Avenue
Jefferson City 65101
Bruce Robertson, commissioner
(314) 751-2361
(C)

MONTANA

Montana Board of Regents of Higher
Education
33 South Last Chance Gulch
Helena 59601
John A. Richardson, commissioner
(406) 449-3024
(G)

NEBRASKA

Nebraska Coordinating Commission
for Postsecondary Education
301 Centennial Mall, South
P. O. Box 95005
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA

Board of Regents, University of Nevada
System
405 Marsh Avenue, Reno 89509
Donald H. Baepler, chancellor
(702) 784-4901
(G)

NEW HAMPSHIRE

New Hampshire Postsecondary Education
Commission
61 South Spring Street
Concord 03301
James A. Busselle, executive director
(603) 271-2555
(C)

NEW JERSEY

Department of Higher Education
225 West State Street
Trenton 08625
T. Edward Hollander, chancellor
(609) 292-4310
(C)

NEW MEXICO

Board of Educational Finance
1068 Cerrillos Road
Santa Fe 87503
Donald S. Stuart, executive secretary
(505) 827-2115
(C)

NEW YORK

Regents of the University of the State
of New York
State Education Department
Albany 12234
Gordon M. Ambach, commissioner
of education and president of the
University of the State of New York
(518) 474-5844
(G)

NORTH CAROLINA

Board of Governors of the University
of North Carolina
P. O. Box 2688
Chapel Hill 27514
William C. Friday, president
(919) 933-6981
(G)

NORTH DAKOTA

North Dakota State Board of Higher
Education
State Capitol Building
Bismarck 58505
Kent G. Alm, commissioner
(701) 224-2960
(G)

OHIO

Ohio Board of Regents
30 East Broad Street
Columbus 43215
Edward Q. Moulton, chancellor
(614) 466-6000
(C)

OKLAHOMA
Oklahoma State Regents for Higher Education
500 Education Building
State Capitol Complex
Oklahoma City 73105
E. T. Dunlap, chancellor
(405) 521-2444
(C)

OREGON
Educational Coordinating Commission
495 State Street
Salem 97310
T. K. Olson, executive director
(503) 378-3921
(C)

PENNSYLVANIA
State Board of Education
333 Market Street
Harrisburg 17126
Clayton L. Sommers, commissioner for higher education
(717) 787-5041
(G)

RHODE ISLAND
Board of Regents for Education
199 Promenade Street
Providence 02908
Albert E. Carlotti, chairman
Thomas C. Schmidt, commissioner
(401) 277-2088
(G)

SOUTH CAROLINA
South Carolina Commission on Higher Education
1429 Senate Street, Columbia 29201
Howard R. Boozer, executive director
(803) 758-2407
(C)

SOUTH DAKOTA
South Dakota Board of Regents
Kneip Office Building
Pierre 57501
Richard L. Bowen, commissioner
(605) 773-3455
(G)

TENNESSEE
Tennessee Higher Education Commission
501 Union Building, Suite 300
Nashville 37219
G. Wayne Brown, executive director
(615) 741-3605
(C)

TEXAS
Coordinating Board, Texas College and University System
P. O. Box 12788, Capitol Station
Austin 78711
Kenneth H. Ashworth, commissioner of higher education
(512) 475-4361
(C)

UTAH
State Board of Regents
807 East South Temple Street
Salt Lake City 84102
Terrel H. Bell, commissioner of higher education
(801) 533-5617
(G)

VERMONT
Vermont State Colleges
P. O. Box 349
Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-5161
(G)

VIRGINIA
State Council of Higher Education
700 Fidelity Building
Ninth and Main Streets
Richmond 23219
Gordon K. Davies, director
(804) 786-2143
(C)

WASHINGTON
Council for Postsecondary Education
908 East Fifth Avenue
Olympia 98504
Chalmers Gail Norris, executive coordinator
(206) 753-3241
(C)

WEST VIRGINIA
West Virginia Board of Regents
950 Kanawha Boulevard, East
Charleston 25301
Ben L. Morgan, chancellor
(304) 348-2101
(G)

WISCONSIN
Board of Regents of the University of Wisconsin System
1860 Van Hise Hall, 1220 Linden Drive, Madison 53706
Robert M. O'Neil, president of the university system
(608) 262-2324
(G)

WYOMING
Trustees of the University of Wyoming
P. O. Box 3434, University Station
Laramie 82071
Edward H. Jennings, president of the university
(307) 766-4121
(G)

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* University of Delaware and University of Vermont have their own governing boards.

directory

Statewide Agencies for 2-Year Colleges

Following are the names, addresses, and telephone numbers of the statewide boards responsible for two-year colleges in 49 states, including the names of their executive officers, as of May 15, 1979. Governing boards are indicated by (G), coordinating boards by (C).

South Dakota and the District of Columbia have no public, two-year colleges.

ALABAMA

Alabama State Department of Education
817 South Court Street, Suite 205
Montgomery 36104
George L. Layton, assistant State superintendent for postsecondary education services
(205) 832-3340
(G)

ALASKA

Alaska Community Colleges
2221 East Northern Lights Blvd., #137
Anchorage, 99501
Patrick O'Rourke, chancellor
(907) 479-7311
(G)

ARIZONA

State Board of Directors for Community Colleges
1937 West Jefferson, Bldg. A
Phoenix 85009
Russell O. Bloyer, executive director
(602) 255-4037
(G)

ARKANSAS

Department of Higher Education
1301 West 7th Street
Little Rock 72201
Thomas M. Spencer, Jr., associate director
(501) 371-1441
(C)

CALIFORNIA

Board of Governors of California Community Colleges
1238 S Street
Sacramento 95814

CALIFORNIA—Continued

Gerald C. Hayward, chancellor
(916) 322-4005
(C)

COLORADO

State Board for Community Colleges and Occupational Education
2nd floor, Centennial Building
1313 Sherman Street
Denver 80203
Terrence A. Tollefson, director for community colleges
(303) 839-3151
(G)

CONNECTICUT

Regional Community Colleges
61 Woodland Avenue
Hartford 06105
Searle F. Charles, executive director
(203) 232-4817
(G)

DELAWARE

Delaware Technical and Community College
P. O. Box 897, Dover 19901
John R. Kotula, president
(302) 678-4621
(G)

FLORIDA

Florida Department of Education
Division of Community Colleges
Collins Building
107 West Gaines Street
Tallahassee 32301
Lee G. Henderson, director
(904) 488-1721
(G)

GEORGIA

Board of Regents of the University System of Georgia
244 Washington Street, S.W.
Atlanta 30334
Haskin R. Pounds, vice-chancellor for planning
(404) 656-2213
(G)

HAWAII

University of Hawaii
Bachman Hall
2444 Dole Street
Honolulu 96822
Dewey H. Kim, chancellor for community colleges
(808) 948-7313
(G)

IDAHO

State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 384-2270
(G)

ILLINOIS

Illinois Community College Board
3085 Stevenson Drive
Springfield 62703
Fred L. Wellman, executive director
(217) 786-6004
(C)

INDIANA

Indiana Commission for Higher Education
143 West Market Street
Indianapolis 46204
George B. Weathersby, commissioner
(317) 633-6474
(C)

IOWA

Iowa State Board of Public Instruction
Grimes State Office Building
Des Moines 50319
Charles Moench, director of division of area schools
(515) 281-3599
(C)

KANSAS

State Department of Education
Postsecondary Administration Section
120 East 10th Street
Topeka 66612

KANSAS—Continued

Sam Newland, director
(913) 296-3047
(G)

KENTUCKY

University of Kentucky
102 Breckinridge Hall
Lexington 40506
Stanley Wall, vice-president for community colleges
(606) 258-8607
(G)

LOUISIANA

Department of Education
Baton Rouge 70804
John E. O'Dowd, assistant superintendent for career education
(504) 342-4253
(C)

MAINE

Department of Educational and Cultural Services, Augusta 04333
Wayne H. Ross, director, higher education services
Richard M Knight, coordinator, vocational technical institutes
(207) 947-0336
(G)

MARYLAND

Maryland State Board for Community Colleges
16 Francis Street
Annapolis 21401
Brent M. Johnson, executive director
(301) 269-2881
(C)

MASSACHUSETTS

Board of Regional Community Colleges
470 Atlantic Aenue, Room 814
Boston 02210
John R. Buckley, interim president
(617) 727-1260
(G)

MICHIGAN

State Board of Education
P. O. Box 30008, Lansing 48909
James H. Folkening, acting coordinator of community-college affairs
(517) 373-3360
(C)

MINNESOTA

Minnesota State Board for Community Colleges
301 Capitol Square
St. Paul 55101
Philip C. Helland, chancellor
(612) 296-3356
(G)

MISSISSIPPI

State Department of Education
Division of Junior Colleges
P. O. Box 771
Jackson 39205
George V. Moody, director
(601) 354-6962
(C)

MISSOURI

Coordinating Board for Higher Education
600 Monroe Avenue
Jefferson City 65101
Bruce Robertson, commissioner
(314) 751-2361
(C)

MONTANA

Montana Board of Regents of Higher Education
33 South Last Chance Gulch
Helena 59601
John A. Richardson, commissioner
(406) 449-3024
(G)

NEBRASKA

Nebraska Coordinating Commission for Postsecondary Education
301 Centennial Mall, South
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA

University of Nevada Community College System
405 Marsh Avenue
Reno 89509
Jack Davis, district president
(702) 784-4901
(G)

NEW HAMPSHIRE

State Department of Education
Division of Postsecondary Education
163 Loudon Road, Concord 03301
Charles H. Green, division chief
(603) 271-2722
(G)

NEW JERSEY

State Board of Higher Education
225 West State Street
Trenton 08625
Edward D. Goldberg, director, office of community college programs
(609) 292-4470
(C)

NEW MEXICO

Board of Educational Finance
1068 Cerrillos Road
Santa Fe 87503
Donald S. Stuart, executive secretary
(505) 827-2115
(C)

NEW YORK

State University of New York
State University Plaza
Albany 12246
Cornelius V. Robbins, associate chancellor
(518) 473-1849
(C)

NORTH CAROLINA

State Board of Education (until Jan.1, 1981)
Department of Community Colleges
Education Building, Room 194
116 West Edenton Street
Raleigh 27611
Larry J. Blake, president
(919) 733-7051
(G)

NORTH DAKOTA

North Dakota State Board of Higher Education
State Capitol Building
Bismarck 58505
Kent G. Alm, commissioner
(701) 224-2960
(G)

OHIO

Ohio Board of Regents

OHIO—Continued

30 East Broad Street
Columbus 43215
Max J. Lerner, vice-chancellor
for two-year campuses
(614) 466-5810
(C)

OKLAHOMA

Oklahoma State Regents for Higher
Education
500 Education Building
State Capitol Complex
Oklahoma City 73105
E.T. Dunlap, chancellor
(405) 521-2444
(C)

OREGON

Oregon Department of Education
Division of Community Colleges
942 Lancaster Drive, N. E.
Salem 97310
Robert E. Hamill, associate superintendent
(503) 378-8609
(C)

PENNSYLVANIA

State Board of Education
Box 911
Harrisburg 17126
Coordinator for community
colleges
(717) 787-3787
(G)

RHODE ISLAND

Rhode Island Junior College System
400 East Avenue
Warwick 02886
Edward J. Liston, president
(401) 825-2188
(C)

SOUTH CAROLINA

State Board for Technical
and Comprehensive Education
Rutledge Building
1429 Senate Street
Columbia 29201
G. William Dudley, Jr., executive director
(803) 758-3173
(G)

TENNESSEE

State Board of Regents (State University
and Community College System
of Tennessee)
1161 Murfreesboro Road
Nashville 37211
Roy S. Nicks, chancellor
(615) 741-4821
(G)

TEXAS

Coordinating Board, Texas College and
University System
P. O. Box 12788, Capitol Station
Austin 78711
David T. Kelly, head, division of
community colleges and continuing
education
(512) 475-3413
(C)

UTAH

State Board of Regents
807 East South Temple Street
Salt Lake City 84102
Robert M. Worthington, associate
commissioner
(801) 533-5617
(G)

VERMONT

Vermont State Colleges Board of
Trustees
P. O. Box 349, Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-5161
(G)

VIRGINIA

Virginia Community College System
P. O. Box 1558, Richmond 23212
Richard J. Ernst, interim chancellor
(804) 786-2231
(G)

WASHINGTON

State Board for Community College
Education
319 Seventh Avenue
Olympia 98504
John N. Terrey, executive director
(206) 753-7412
(G)

WEST VIRGINIA

West Virginia Board of Regents
950 Kanawha Boulevard, East
Charleston 25301
Ben L. Morton, chancellor
(304) 348-2101
(G)

WISCONSIN

Wisconsin Board of Vocational, Technical
and Adult Education
4802 Sheboygan Avenue
Madison 53702
Robert P. Sorenson, director and executive
officer
(608) 266-1770
(G)

WYOMING

Wyoming Community College
Commission
New Boyd Building
1720 Carey Avenue
Cheyenne 82002
Russell A. Hansen, executive secretary
(307) 777-7763
(C)

Statewide Agencies for Vocational Schools

Following are the names, addresses, and telephone numbers of the statewide boards responsible for postsecondary vocational-technical institutions in 48 states and the District of Columbia, together with the names of their chief executive officers as of May 15, 1979. Governing boards are indicated by (G), coordinating boards by (C).

Alaska has no public postsecondary vocational-technical institutions.

ALABAMA

Alabama State Department of Education
Postsecondary Education Services
817 South Court Street
Montgomery 36104
George L. Layton, assistant state superintendent for postsecondary education services
(205) 832-3340
(G)

ARIZONA

State Board of Directors for Community Colleges
1937 West Jefferson, Bldg. A
Phoenix 85009
Russell O. Bloyer, executive director
(602) 255-4037
(G)

ARKANSAS

Department of Education
Division of Vocational, Technical and Adult Education
Arch Ford Education Building
Little Rock 72201
Luther Hardin, associate director for vocational education
(501) 371-2165
(G)

CALIFORNIA

California Advisory Council on Vocational Education
1900 S Street,Sacramento 95814
Thomas M. Bogetich, executive director
(916) 445-0698
(C)

COLORADO

State Board for Community Colleges and Occupational Education

COLORADO—Continued

2nd Floor, Centennial Bldg.

1313 Sherman Street, Denver 80203
James W. Wilson, director for occupational education
(303) 839-3071
(G)

CONNECTICUT

Board of Trustees for State Technical Colleges
61 Woodland Street
Hartford 06105
W. Lewis Hyde, executive director
(203) 566-3976
(G)

DELAWARE

Delaware Technical and Community College
P. O. Box 897
Dover 19901
John R. Kotula, president
(302) 678-4621
(G)

DISTRICT OF COLUMBIA

District of Columbia Commission on Postsecondary Education
421 8th Street, N. W., Room 206
Washington 20004
Eloise S. Turner, executive secretary
(202) 727-3685
(C)

FLORIDA

Florida Department of Education
Division of Vocational Education
Knott Building
Tallahassee 32301
Joe D. Mills, director
(904) 488-8961
(G)

GEORGIA

Georgia Department of Education
Office of Vocational Education
237 State Office Building
Atlanta 30334

GEORGIA—Continued

Joseph G. Freund, associate state superintendent
(404) 656-6711
(C)

HAWAII

University of Hawaii
Bachman Hall
2444 Dole Street
Honolulu 96822
Samson Shigetomi, state director for vocational education
(808) 948-7461
(G)

IDAHO

State Board of Education and Board of Regents of the University of Idaho
650 West State Street
Boise 83720
Milton Small, executive director
(208) 384-2270
(G)

ILLINOIS

Illinois Community College Board
3085 Stevenson Drive
Springfield 62703
Fred L. Wellman, executive director
(217) 786-6004
(C)

INDIANA

State Board of Vocational and Technical Education
401 Illinois Building
17 West Market Street
Indianapolis 46204
Don K. Gentry, executive officer
(317) 232-1814
(C)

IOWA

Department of Public Instruction
Grimes State Office Building
Des Moines 50319
Jim Athen, director of career-education division
(515) 281-4700
(C)

directory

KANSAS
State Department of Education
Vocational Education
120 East 10th Street
Topeka 66612
Dean Prochaska, director
(913) 296-3951
(C)

KENTUCKY
State Department of Education
Bureau of Vocational Education
Capital Plaza Tower
Frankfort 40601
Robert E. Spillman, assistant superintendent
for vocational education
(502) 564-4286
(G)

LOUISIANA
State Department of Education
Division of Vocational Education
Department of Education Building
P. O. Box 44064
Baton Rouge 70804
N. James Stafford, Jr., assistant superintendent
for vocational education
(504) 342-3524
(G)

MAINE
Department of Educational and Cultural Services
Bureau of Vocational Education
Education Building
Augusta 04333
Elwood Padham, associate commissioner
(207) 289-2621
(G)

MARYLAND
State Department of Education
Division of Vocational-Technical Education
200 West Baltimore Street
Baltimore 21201
Addison S. Hobbs, assistant state superintendent in vocational-technical education
(301) 659-2075
(G)

MASSACHUSETTS
Board of Education
Bureau of Postsecondary Occupational-Technical Education

MASSACHUSETTS—Continued
Park Square Building
31 Saint James Avenue
Boston 02116
Anthony V. Cipriano, director
(617) 727-8144
(G)

MICHIGAN
State Board of Education
P. O. Box 30008
Lansing 48909
Arnold Loomis, acting director of vocational-technical education services
(517) 373-3373
(C)

MINNESOTA
State Department of Education
State Board for Vocational Education
Capitol Square Bldg.
550 Cedar Street
St. Paul 55101
assistant commissioner for vocational education
(612) 296-3994
(G)

MISSISSIPPI
State Department of Education
Division of Vocational-Technical Education
P. O. Box 771
Jackson 39205
Elwyn Wheat, director
(601) 354-6980
(C)

MISSOURI
Coordinating Board for Higher Education
Department of Higher Education
600 Monroe Avenue
Jefferson City 65101
Stanley Z. Koplik, interim commissioner
(314) 751-2361
(C)

MONTANA
Office of Public Instruction
State Capitol
Helena 59601
Larry C. Key, director of vocational education
(406) 449-3126
(C)

NEBRASKA
Nebraska Coordinating Commission for Postsecondary Education

NEBRASKA—Continued
301 Centennial Mall, South
Lincoln 68509
William S. Fuller, executive director
(402) 471-2847
(C)

NEVADA
Board of Regents, University of Nevada System
405 March Avenue
Reno 89509
Donald H. Baepler, chancellor
(702) 784-4901
(G)

NEW HAMPSHIRE
State Department of Education
Division of Postsecondary Education
163 Loudon Road
Concord 03301
Charles H. Green, division chief
(603) 271-2722
(G)

NEW JERSEY
Department of Education
Division of Vocational Education and Career Preparation
225 West State Street
Trenton 08625
William Wenzel, assistant commissioner
(609) 292-6340
(C)

NEW MEXICO
State Department of Education
Vocational-Technical Education
Education Building
Santa Fe 87503
Wilma Ludwig, state director of vocational education
(505) 827-3150
(G)

NEW YORK
Regents of the University of the State of New York
State Education Department
Albany 12234
Gordon M. Ambach, commissioner of education and president of the University of the State of New York
(518) 474-5844
(G)

NORTH CAROLINA

State Board of Education
Department of Community Colleges
Education Building, Room 194
116 West Edenton Street
Raleigh 27611
Larry J. Blake, president
(919) 733-7051
(G)

NORTH DAKOTA

North Dakota State Board for Vocational Education
900 East Boulevard
Bismarck 58505
Carroll Burchinal, state director
(701) 224-2259
(G)

OHIO

State Department of Education
Division of Vocational Education
65 S. Front Street, Room 907
Columbus 43215
(614) 466-5810
(C)

OKLAHOMA

Oklahoma State Department of Vocational and Technical Education
1515 West 6th Avenue
Stillwater, 74074
Francis Tuttle, director
(405) 377-2000
(C)

OREGON

Oregon Department of Education
Instructional Services Division,
Career and Vocational Education
700 Pringle Parkway, SE
Salem 97310
Monty Multanen, director of career and vocational education
(503) 378-2337
(C)

PENNSYLVANIA

State Board of Education
333 Market Street
Harrisburg 17126
Director of vocational education
(717) 787-5530
(G)

RHODE ISLAND

Rhode Island Junior College State System
400 East Avenue, Warwick 02886
Edward J. Liston, president
(401) 825-2188
(C)

SOUTH CAROLINA

State Board for Technical and Comprehensive Education
Rutledge Building
1429 Senate Street
Columbia 29201
G. William Dudley, Jr., executive director
(803) 758-3173
(G)

SOUTH DAKOTA

State Board of Vocational Education
Richard F. Kneip Bldg.
Pierre 57501
David S. Bonde, director of vocational-technical education
(605) 773-3423
(G)

TENNESSEE

Department of Education
Division of Vocational-Technical Education
200 Cordell Hull Building
Nashville 37219
John Leeman, assistant commissioner for vocational-technical education
(615) 741-1716
(G)

TEXAS

Texas Education Agency
Department of Occupational Education and Technology
201 East 11th Street
Austin 78701
Robert W. Caster, associate commissioner for occupational education and technology
(512) 475-2585
(G)

UTAH

State Board of Regents
807 E. South Temple Street, Suite 204
Salt Lake City 84102
Robert M. Worthington, associate commissioner
(801) 533-5617
(G)

VERMONT

Vermont State Colleges Board of Trustees
P. O. Box 349
Waterbury 05676
Richard E. Bjork, chancellor
(802) 244-5161
(G)

VIRGINIA

Virginia Community College System
P. O. Box 1558
Richmond 23212
James H. Henson, Jr., chancellor
(804) 786-2231
(G)

WASHINGTON

Commission for Vocational Education
Airdustrial Park, Building 17
Olympia 98504
Homer J. Halverson, executive director
(206) 753-5662
(G)

WEST VIRGINIA

State Department of Education
Bureau of Vocational, Technical, and Adult Education
B221 State Capitol Complex, Bldg. 6
Charleston 25305
Clarence E. Burdette, assistant superintendent of schools
(304) 348-2346
(C)

WISCONSIN

Wisconsin Board of Vocational, Technical and Adult Education
4802 Sheboygan Avenue, 7th floor
Madison 53702
Robert P. Sorensen, director and executive officer
(608) 266-1770
(G)

WYOMING

Wyoming Community College Commission
New Boyd Building
1720 Carey Avenue, Suite 500
Cheyenne 82002
Russell A. Hansen, executive secretary
(307) 777-7763
(C)

Accrediting Agencies in Higher Education

Regional Associations

The following associations and commissions are recognized by the Council on Postsecondary Accreditation and the U.S. Department of Education as accrediting agencies for institutions in the states and territories listed.

MIDDLE STATES ASSOCIATION OF COLLEGES AND SCHOOLS

Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania, Canal Zone, Puerto Rico, Virgin Islands

Robert Kirkwood, executive director
Commission on Higher Education
3624 Market Street
Philadelphia 19104
(215) 662-5606

NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

William J. MacLeod, director of evaluation
Commission on Institutions of Higher Education

Daniel S. Maloney, director of evaluation
Commission on Vocational, Technical, Career Institutions
131 Middlesex Turnpike
Burlington, Mass. 01803
(617) 272-6450

NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS

Arizona, Arkansas, Colorado, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New Mexico, North Dakota, Ohio, Oklahoma, South Dakota, West Virginia, Wisconsin, Wyoming

Thurston E. Manning, director
Commission on Institutions of Higher Education
1221 University Avenue
Boulder, Colo. 80302
(800) 525-0840
Also:
820 Davis Street
Evanston, Ill. 60201
(800) 323-6528

NORTHWEST ASSOCIATION OF SCHOOLS AND COLLEGES

Alaska, Idaho, Montana, Nevada, Oregon, Utah, Washington

James F. Bemis, executive director
Commission on Colleges
3700B University Way, N.E.
Seattle 98105
(206) 543-0195

SOUTHERN ASSOCIATION OF COLLEGES AND SCHOOLS

Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas, Virginia

Gordon W. Sweet, executive director
Commission on Colleges
(404) 897-6127

Bob E. Childers, executive director
Commission on Occupational Education Institutions
795 Peachtree Street, N.E.
Atlanta 30365
(404) 897-6164

WESTERN ASSOCIATION OF SCHOOLS AND COLLEGES

California, Hawaii, Guam, American Samoa, and the Trust Territories

Kay J. Andersen, executive director
Accrediting Commission for Senior Colleges and Universities
Box 9990
Mills College
Oakland, Cal. 94613
(415) 632-5000

Robert E. Swenson, executive director
Accrediting Commission for Community and Junior Colleges
P. O. Box 70
Aptos, Cal. 95003
(408) 688-7575

Professional Agencies

The following are agencies recognized by the Council on Postsecondary Accreditation, the U.S. Department of Education, or both, for accreditation of professional and special programs or institutions.

● – *Recognized by the Council on Postsecondary Accreditation.*

○ – *Recognized by the U. S. Department of Education.*

ALLIED HEALTH EDUCATION
American Medical Association Committee on Allied Health Education and Accreditation ●† ○‡

John E. Beckley, secretary
535 North Dearborn Street
Chicago 60610
(312) 751-6272

† Recognized by the Council on Postsecondary Accreditation as the accrediting agency for the following programs in the following fields: assistant to primary care physician, cardiovascular perfusionist, cytotechnologist, diagnostic medical sonographer, EEG technician and technologist, EMT-paramedic, histotechnologist, medical assistant, medical assistant in pediatrics, medical laboratory technician (certificate and associate degree), medical record administrator and medical record technician, medical technologist, nuclear medicine technologist, occupational therapist, ophthalmic medical assistant, physical therapist, radiation therapy technologist, radiographer, respiratory therapist, respiratory therapy technician, specialist in blood bank technology, surgeon's assistant, and surgical technologist.

‡ Recognized by the U. S. Department of Education as a coordinating agency for accreditation of programs in the following fields: assistant to primary care physician, blood bank technologist, cytotechnologist, histologic technician, medical assistant, medical laboratory technician (certificate and associate degree), medical record administrator and medical record technician, medical technologist, nuclear medicine technologist, occupational therapist, physical therapist, radiation therapy technologist, radiographer, respiratory therapist and respiratory therapy technician, and surgical technologist.
(Note: Review Committees in certain disciplines are independently recognized by the Department.)

ARCHITECTURE
National Architectural Accrediting Board ● ○

First professional programs

Hugo G. Blasdel, executive director
1735 New York Avenue, N.W.
Washington 20006
(202) 833-1180

ART
National Association of Schools of Art ● ○

Professional schools and programs

ART—Continued

Samuel Hope, executive director
11250 Roger Bacon Drive No. 5
Reston, Va. 22090
(703) 437-0700

BIBLE COLLEGE EDUCATION

American Association of Bible Colleges ● ○

Three-year institutes and four- and five-year colleges

John Mostert, executive director
Box 1523
Fayetteville, Ark. 72701
(501) 521-8164

BLOOD BANK TECHNOLOGY

American Association of Blood Banks ○

Programs for the specialist in blood bank technology

A "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Subcommittee on Accreditation
1828 L Street, N.W., Suite 608
Washington 20036
(202)872-8333

BUSINESS

American Assembly of Collegiate Schools of Business ● ○

Baccalaureate and graduate degree programs

William K. Laidlaw, Jr., executive vice-president
11500 Olive Street Road, Suite 142
St. Louis 63141
(314) 872-8481

Association of Independent Colleges and Schools ● ○

Private junior and senior colleges of business and private business schools

Accrediting Commission
James M. Phillips, executive director
1730 M Street, N.W.
Washington 20036
(202) 659-2460

CHEMISTRY

American Chemical Society ●

Undergraduate professional programs

Committee on Professional Training
Bonnie R. Blaser, secretary
1155 Sixteenth Street, N.W.
Washington 20036
(202) 872-4589

CHIROPRACTIC

Council on Chiropractic Education ● ○

Programs leading to the D.C. degree

CHIROPRACTIC—Continued

Commission on Accreditation
Ralph G. Miller, executive secretary
3209 Ingersoll Avenue
Des Moines, Iowa 50312
(515) 255-2184

CLINICAL PASTORAL EDUCATION

Association for Clinical Pastoral Education ● ○

Clinical pastoral education training centers

Charles E. Hall, Jr., executive director
475 Riverside Drive
Room 450
New York 10027
(212) 870-2558

CONSTRUCTION EDUCATION

American Council for Construction Education ●

Bachelor's degree programs

I. Eugene Thorson, managing director
P. O. Box 1266
Manhattan, Kan. 66502
(913) 776-1544; (913) 532-5964

CONTINUING EDUCATION

Council for Non-Collegiate Continuing Education ○

Programs in non-collegiate continuing education

Homer Kempfer, executive director
6 North Sixth Street
Richmond, Va. 23219
(804) 648-6742

COSMETOLOGY

Cosmetology Accrediting Commission ○

Cosmetology schools and programs

Jerald W. Donaway, executive director
1735 K Street, N.W., Suite 1108
Washington 20006
(202) 331-9550

CYTOTECHNOLOGY

American Society of Cytology ○

Programs for the cytotechnologist

A "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Cytotechnology Programs Review Committee
Bernard Naylor, chairman
Department of Pathology
Box 45—University of Michigan Medical Center
Ann Arbor, Mich. 48109
(313) 763-4564

DANCE AND THEATER

Joint Commission on Dance and Theater Accreditation ○

Independent dance and theater schools that are non-degree granting

Collaborates with National Association of Schools of Arts and National Association of Schools of Music;

Samuel Hope, executive director
11250 Roger Bacon Drive, No. 5
Reston, Va. 22090
(703) 437-0700

DENTISTRY

American Dental Association ● ○

Programs leading to D.D.S. or D.M.D. degrees; advanced specialty and general practice residency programs; programs in dental hygiene, dental assisting, and dental technology

Commission on Dental Accreditation
Thomas J. Ginley, secretary
11 East Chicago Avenue
Chicago 60611
(312) 440-2701

DIETETICS

American Dietetic Association ● ○

Coordinated undergraduate programs in dietetics and dietetic internships

Commission on Accreditation
Gloria Archer, coordinator
30 North Michigan Avenue
Chicago 60611
(312) 280-5000

ENGINEERING

Accreditation Board for Engineering and Technology ● ○

First professional degree programs (baccalaureate, masters) in engineering; associate and baccalaureate degree programs in engineering technology

David R. Reyes-Guerra, executive director
345 East 47th Street
New York 10017
(212) 644-7684

FAMILY COUNSELING

American Association of Marriage and Family Therapy ○

Graduate programs and clinical training programs

Commission on Accreditation for Marriage and Family Therapy Education
John Shalett, executive director
924 West Ninth Street
Upland, Cal. 91786
(714) 981-0888

FORESTRY

Society of American Foresters ● ○

Baccalaureate, professional,

FORESTRY—Continued

and related programs

Ronald R. Christensen, director of
professional programs
5400 Grosvenor Lane
Washington 20014
(301) 897-8720

FUNERAL SERVICE EDUCATION

American Board of Funeral Service Education, Inc. ○
Schools and college departments

William H. Ford, administrator
P. O. Box 2098
Fairmont, W. Va. 26554
(304) 366-2403

HEALTH SERVICES ADMINISTRATION

Accrediting Commission on Education for Health Services Administration ● ○
Graduate programs

Gary L. Filerman, executive secretary
One Dupont Circle, N.W.
Washington 20036
(202) 659-3939

HISTOLIC TECHNOLOGY

National Accrediting Agency for Clinical Laboratory Sciences ○
Programs for histotechnicians and histotechnologists

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Carol M. Elkins, executive director
222 S. Riverside Plaza, Suite 1512
Chicago 60606
(312) 648-0271

HOME ECONOMICS

American Home Economics Association ●
Baccalaureate programs

Office of Professional Education
Sara A. Bagby, director
2010 Massachusetts Avenue, N.W.
Washington 20036
(202) 862-8355

HOME STUDY EDUCATION

National Home Study Council ● ○
Home study schools

Accrediting Commission
William A. Fowler, executive secretary
1601 Eighteenth Street, N.W.
Washington 20009
(202) 234-5100

INDUSTRIAL TECHNOLOGY

National Association of Industrial Technology ●
Baccalaureate programs

Harvey A. Pearson, director/executive
secretary
University of North Florida
P.O. Box 17074
Jacksonville, Fla. 32216
(904) 646-2683

INTERIOR DESIGN EDUCATION

Foundation for Interior Design Education Research ●
Accreditation of graduate, baccalaureate, professional, para- and pre-professional programs
Edna V. Kane, director of administration
730 Fifth Avenue
New York 10019
(212) 586-7266

JOURNALISM

American Council on Education for Journalism ● ○
Professional programs

Accrediting Committee
Baskett Mosse, executive secretary
563 Essex Court
Deerfield, Ill. 60015
(312) 948-5840

LANDSCAPE ARCHITECTURE

American Society of Landscape Architects ● ○
Undergraduate and graduate level professional degree programs

Education and Research
Edward H. Able, executive director
Samuel C. Miller, director
1900 M Street, N.W., Suite 750
Washington 20036
(202) 466-7730

LAW

American Bar Association ● ○
Professional schools of law

James P. White, consultant
on legal education
Indiana University
735 West New York Street
Indianapolis 46202
(317) 264-4908

Association of American Law Schools ●
Professional programs

Effective July, 1980:
John A. Bauman, executive director
One Dupont Circle, N.W., Suite 370
Washington 20036
(202) 296-8851

LIBRARIANSHIP

American Library Association ● ○
Master's degree programs in librarianship

Elinor Yungmeyer, accreditation officer

LIBRARIANSHIP—Continued

Committee on Accreditation
50 East Huron Street
Chicago 60611
(312) 944-6780

MEDICAL ASSISTANT

Accrediting Bureau of Health Education Schools ● ○
Private medical assistant programs and institutions

Hugh A. Woosley, administrator
Oak Manor Offices
29089 U. S. 20 West
Elkhart, Ind. 46514
(219) 293-0124

American Association of Medical Assistants' Endowment ○
Certificate, diploma and associate degree level programs

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Ina L. Yenerich, acting executive director
Curriculum Review Board
1 East Wacker Drive, Suite 2110
Chicago 60601
(312) 944-2722

MEDICAL LABORATORY TECHNICIAN EDUCATION

Accrediting Bureau of Health Education Schools ○
Programs for the medical laboratory technician

(See **Medical Assistant)**

National Accrediting Agency for Clinical Laboratory Sciences ● ○
Associate degree and certificate programs for the medical laboratory technician

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** and **Histolic Technology,** above);

MEDICAL RECORD EDUCATION

American Medical Record Association ○
Baccalaureate and associate degree programs for medical record administrators and technicians

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Education and Registration Committee
Frances A. Hindsman, associate director,
academic division

MEDICAL RECORD—Continued

875 North Michigan Avenue, Suite 1850
Chicago 60611
(312) 787-2672

MEDICAL TECHNOLOGY

National Accrediting Agency for Clinical Laboratory Sciences ○
Professional programs

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

(See **Histologic Technology**)

MEDICINE

Liaison Committee on Medical Education ● ○
Sponsored by the American Medical Association and the Association of American Medical Colleges
Programs leading to the M.D. degree

(odd-numbered years, beginning July 1)
Edward S. Petersen, director
Department of Undergraduate Evaluation
American Medical Association
535 North Dearborn Street
Chicago 60610
(312) 751-6000

(even-numbered years, beginning July 1)
James R. Schofield, secretary
Association of American Medical Colleges
One Dupont Circle, N.W.
Washington 20036
(202) 828-0670

MICROBIOLOGY

American Academy of Microbiology ○
Postdoctoral programs

Committee on Postdoctoral Educational Programs
Robert F. Acker, executive director

1913 I Street, N.W.
Washington 20006
(202) 833-9680

MUSIC

National Association of Schools of Music ● ○
Professional schools and programs

Samuel Hope, executive director
11250 Roger Bacon Drive, No. 5
Reston, Va. 22090
(703) 437-0700

NUCLEAR MEDICINE TECHNOLOGY

Joint Review Committee on Educational Programs in Nuclear Medicine Technology ○
Programs for the nuclear medicine technologist

NUCLEAR MEDICINE—Continued

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Elaine Cuklanz, chairperson
445 South 300 East
Salt Lake City 84111
(801) 355-9628

NURSING

American Association of Nurse Anesthetists ○
Professional programs and schools of nurse anesthesia

Council on Accreditation
Ira Gunn, acting executive staff secretary
216 West Higgins Road
Park Ridge, Ill. 60068
(312) 692-7050

National Association for Practical Nurse Education and Service, Inc. ● ○
Practical nurse programs

Lucille L. Etheridge, executive director
122 East 42nd Street
New York 10017
(212) 682-3400

National League for Nursing ●*
Professional, technical, and practical nursing programs

Board of Review for Baccalaureate and Higher Degree Programs ○
Board of Review for Diploma Programs ○
Board of Review for Practical Nursing Programs ○
Board of Review for Associate Degree Programs ○

* Council on Postsecondary Accreditation recognizes the agency and its four review boards as one entity. The U. S. Department of Education recognizes the four boards separately.

Margaret E. Walsh, executive director
10 Columbus Circle
New York 10019
(212) 582-1022

OCCUPATIONAL THERAPY

American Occupational Therapy Association ○
Programs for the occupational therapist

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation and American Medical Association. (See **Allied Health Education** above);

Accreditation Committee
Gail J. Licciardello, coordinator
6000 Executive Boulevard
Rockville, MD 20852
(301) 770-2200

OCCUPATIONAL, TRADE, AND TECHNICAL EDUCATION

National Association of Trade and Technical Schools ● ○
Private trade and technical schools

Accrediting Commission
William A. Goddard, executive director
2021 K Street, N.W.
Washington 20006
(202) 296-8892

OPTOMETRY

American Optometric Association ● ○
Professional, advanced and para-optometric programs

Council on Optometric Education
Brian Andrew, executive secretary
243 North Lindbergh Boulevard
St. Louis 63141
(314) 991-4100

OSTEOPATHIC MEDICINE

American Osteopathic Association ● ○
Programs leading to the D.O. degree

Office of Osteopathic Education
Douglas Ward, director
212 East Ohio Street
Chicago 60611
(312) 280-5840

PHARMACY

American Council on Pharmaceutical Education ● ○
Professional programs

Daniel A. Nona, executive director
1 East Wacker Drive
Chicago 60601
(312) 467-6222

PHYSICAL THERAPY

American Physical Therapy Association ● ○
Programs for the physical therapist and the physical therapist assistant

James Clinkingbeard, director
of educational affairs
1156 15th Street, N.W.
Washington 20005
(202) 466-2070

PHYSICIAN'S ASSISTANT EDUCATION

Joint Review Committee on Educational Programs for Physician's Assistants ○
Programs for the assistant to the primary care physician and the surgeon's assistant

Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);

Robert B. Chevalier
St. Francis Hospital
Beech Grove, Ind. 46107
(317) 783-8137

PODIATRY

American Podiatry Association ● ○
Professional and graduate programs; programs for podiatric assistants
Council on Podiatry Education
Warren G. Ball, director
20 Chevy Chase Circle, N.W.
Washington 20015
(202) 537-4970

PSYCHOLOGY

American Psychological Association ● ○
Doctoral and internship programs in clinical, counseling, and school psychology; internship programs in professional psychology
Meredith P. Crawford, administrative officer for accreditation
1200 Seventeenth Street, N.W.
Washington 20036
(202) 833-7600

PUBLIC HEALTH

Council on Education for Public Health ● ○
Graduate schools of public health
Janet A. Strauss, executive director
1015 Fifteenth Street, N.W.
Washington 20005
(202) 789-1050

RABBINICAL AND TALMUDIC EDUCATION

Association of Advanced Rabbinical and Talmudic Schools ○
Rabbinical and Talmudic schools
Accreditation Commission
Bernard Fryshman, executive director
175 Fifth Avenue
New York 10010
(212) 477-0950

RADIATION THERAPY TECHNOLOGY

Joint Review Committee on Education in Radiologic Technology ○
Programs for the radiographer and radiation therapy technologist
Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);
Robert L. Coyle, executive director
307 North Michigan Avenue, Suite 1801
Chicago 60601
(312) 726-9150

REHABILITATION COUNSELING

Council on Rehabilitation Education ●

REHABILITATION—Continued

Master's and doctor's degree programs
Jerome D. Lorenz, director
Rehabilitation Institute
General Classrooms Building, Rm. 335
Southern Illinois University
Carbondale, Ill. 62901
(618) 536-7704

RESPIRATORY THERAPY

Joint Review Committee for Respiratory Theory Education ○
Programs for respiratory therapists and therapy technicians
Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);
Philip A. von der Heydt
1720 Regal Row, Suite 125
Dallas 75235
(214) 630-8702

SOCIAL WORK

Council on Social Work Education ● ○
Master's and baccalaureate programs as of July 1, 1980:
Arthur J. Katz, executive director
111 Eighth Avenue
New York 10011
(212) 242-3800

SPEECH PATHOLOGY AND AUDIOLOGY

American Speech-Language-Hearing Association ● ○
Master's degree programs
Education and Training Board
Jean Lovrinic, chairman
10801 Rockville Pike
Rockville, Md. 20852
(301) 897-5700

SURGICAL TECHNOLOGY

Joint Review Committee on Education for the Surgical Technologist ○
Programs for the surgical technologist
Sponsoring "review committee" that cooperates with Committee on Allied Health Education and Accreditation. (See **Allied Health Education** above);
Sandra L. Wilkins, secretary
Call No. E
Littleton, Colorado 80120
(303) 978-9010

TEACHER EDUCATION

National Council for Accreditation of Teacher Education ● ○
Baccalaureate and graduate degree programs
Lyn Gubser, director
1919 Pennsylvania Avenue, N.W.
Washington 20006
(202) 466-7496

THEOLOGY

Association of Theological Schools in the United States and Canada ● ○
Graduate professional programs
Leon Pacala, executive director
P.O. Box 130
Vandalia, Ohio 45377
(513) 898-4654

VETERINARY MEDICINE

American Veterinary Medical Association ● ○
Programs leading to D.V.M. or V.M.D. degrees
R. Leland West, director of scientific activities
Council on Education
930 North Meacham Road
Schaumburg, Ill. 60196
(312) 885-8070

Committee on Animal Technician Activities and Training ○
2-year programs in animal technology leading to the associate degree or certificate
Gerald van Hoosier, chairman
(See **American Veterinary Medical Association** above)

OTHER:

New York State Board of Regents ○
Collegiate degree-granting programs or curriculums offered by institutions of higher education
Gordon M. Ambach, commissioner of education
State Education Department
State U. of New York at Albany
Albany, New York 12224
(518) 457-3300

SOURCE: COUNCIL ON POSTSECONDARY ACCREDITATION AND U.S. DEPARTMENT OF EDUCATION, WITH UPDATING BY THE CHRONICLE OF HIGHER EDUCATION AND EDITORIAL PROJECTS FOR EDUCATION

Women's Units

Academy of Management
Committee on the Status of Women in the Management Profession
Chair: Sue Greenfeld, Department of Management, Texas A.& M. University
College Station, Tex. 77840
(713) 845-1724

Adult Education Association
Continuing Education for Women Section
Contact: Allene Dietrich, Center for Women's Services, Western Michigan University
Kalamazoo, MI 49008
(616) 383-6097

American Academy of Religion
Women's Caucus: Religious Studies
Co-chairs: Lorene Getz, 2259 Columbus Road, Cleveland, OH 44113
(216) 241-1773
Carole Bohn
4 Carver St., Cambridge, Mass. 02138
(617) 354-2910

American Alliance for Health, Physical Education, Recreation, and Dance
Task Force on Equal Opportunity and Human Rights
A.A.H.P.E.R.,
1900 Association Drive
Reston, VA 22091
(703) 476-3400

American Anthropological Association
Committee on the Status of Women in Anthropology
Chair: Jane Buikstra, c/o A.A.A.
1703 New Hampshire Ave., N.W.
Washington, D.C. 20009

American Association for Higher Education
Women's Caucus
Chair: Aileen Deutsch, Assistant to the vice-president for academic affairs
Bradley University, Peoria, IL 61625
(309) 676-7611, ext. 348

American Association for the Advancement of Science
Office of Opportunities in Science
Program Head: Shirley Malcolm, A.A.A.S., 1776 Massachusetts Ave., N.W., Washington 20036
Women's Caucus
Chair: Phyllis Kahn, Minnesota State Legislature, State Capitol, St. Paul, Minn. 55155
(612) 296-4257
Administrative Associate: Karen L. Ehrlich A.A.A.S., 1776 Massachusetts Ave., N.W., Washington 20036
(202) 467-5438

American Association of Community and Junior Colleges
American Association of Women in Community and Junior Colleges
Chair: Mildred Bulpitt, Assistant to the Chancellor, Maricopa County Community College District, 3910 East Washington Street, Phoenix, Ariz. 85034
(602) 244-8355

American Association of University Professors
Committee on the Status of Women in the Academic Profession
Staff liaison: Lesley Francis, AAUP, One Dupont Circle, Washington 20036
(202) 466-8050

American Association of University Women
Executive director: Quincalee Brown,2401 Virginia Ave., N.W., Washington 20037
(202) 785-7700

American Chemical Society
Women Chemists Committee
Chair: Wanda Brown,
212 Brightwood Place,
San Antonio, Tex. 78209
(512) 221-4652
Staff liaison: Carol Frischmann, A.C.S., 1155 16th St., N.W., Washington 20036
(202) 872-4612

American College Personnel Association
Steering Committee on Women
Chair: Brenda Andrieu, Southeastern Missouri State
University, Cape Girardeau, Mo. 63701
(314) 651-2262

American Council on Education
Office of Women in Higher Education
Director: Emily Taylor, A.C.E., One Dupont Circle, Washington 20036
(202) 833-4692

American Economic Association
Committee on the Status of Women in the Economics Profession
Chair: Elizabeth E. Bailey, Civil Aeronautics Board, B-3,
1825 Connecticut Avenue, NW
Washington, DC 20428
(202) 673-5222

American Education Research Association
Committee on the Role and Status of Women
Chair: Sally Dias, Massachusetts Department of Education
West Boylston, MA 01583
Staff liaison: William Russell, A.E.R.A., 1230 17th St., N.W., Washington 20036
(202) 223-9485

American Federation of Teachers
Women's Rights Committee
Chair: Patricia Halpin, Philadelphia Federation of Teachers, 1816 Chestnut St., Philadelphia 19103
(215) 567-1300

American Historical Association
Committee on Women Historians
Chair: Katherine Kish Sklar,
Department of History, UCLA
Los Angeles, CA 90024
Staff liaison: Assistant for Women's and Minority Affairs, A.H.A.,
400 A St., S.E., Washington 20003
(202) 544-2422

American Library Association
Social Responsibilities Round Table Task Force on Women

directory

American Library Association—Continued

Coordinator: Marjorie K. Joramo,
Hennepin County Library, Brooklyn Center,
Edina, Minn. 55429
(612) 537-6716
Committee on the Status of Women
in Librarianship
Chair: Ellen Detlefsen, Graduate School
of Library and Information Sciences,
University of Pittsburgh, Pittsburgh 15260
(412) 624-5234
Staff liaison: Margaret Myers, A.L.A., 50 East
Huron St., Chicago 60611
(312) 944-6780

American Medical Women's Association, Inc.

Executive director: Lorraine Loesel
President: Joanne L. Linn, MD
465 Grand St., New York 10002

American Meteorological Society

Board on Women and Minorities
Chair: Cecelia Griffith, Climate and
Satellite Group, RX-9
National Oceanic and Atmospheric
Administration, Sussex One, Room 212
Boulder, CO 80303
(303) 499-1000, ext. 6873

American Nurses Association

Executive director: Myrtle K. Aydelotte
President: Barbara L. Nichols, 2420 Pershing
Rd., Kansas City, Mo. 64108
(816) 474-5720
Deputy executive director, Washington office:
Constance Holleran
1030 15th Street, N.W., Washington 20005
(202) 296-8010

American Personnel and Guidance Association

Committee on Women
Chair: Maria Nieto Senour, 755 North
Road, San Bernadino, Calif. 92404
(714) 882-5802

American Philological Association

Committee on the Status of Women and
Minority Groups
Chair: Sarah B. Pomeroy Department of
Classics, Hunter College, 659 Park Ave.,
New York, N.Y. 10021
(212) 570-5217

American Philosophical Association

Committee on the Status of Women
Chair: vacant

American Philosophical Association—Continued

c/o A.P.A., University of
Delaware, Newark, Del. 19711
(302) 738-1112

American Physical Society

Committee on the Status of Women
Chair: Carol Jo Crannell, NASA
Code 684, Goddard Space Flight Center
Greenbelt, MD 20771
(301) 344-5007

American Physiological Society

Task Force on Women in Physiology
Chair: Elizabeth Tidball, Department of
Physiology, George Washington University
2300 I St., N.W., Washington 20037
(202) 676-3559
Staff liaison: O. E. Reynolds, A.P.S., 9650
Rockville Pike, Bethesda, Md. 20014
(301) 530-7164

American Political Science Association

Committee on the Status of Women
Staff liaison: Walter Beach, A.P.S.A.
1527 New Hampshire Ave., N.W.,
Washington 20036
(202) 483-2512

American Psychiatric Association

Committee on Women
Chair: Brenda Solomon, MD
150 Park Avenue
Glencoe, IL 60022
(312) 835-2825

American Psychological Association

Committee on Women in Psychology
Contact: Nancy Felipe Russo, A.P.A.,
1200 17th St., N.W., Washington 20036
(202) 833-4908

American Society for Cell Biology

Women in Cell Biology
Contact: Elizabeth Harris, Department of
Botany, Duke University,
Durham, N.C. 27706 (919) 684-5243

American Society for Microbiology

Committee on the Status of Women
Chair: Viola Mae Young, Cancer
Research Center, University of
Maryland, 22 Green Street
Baltimore, MD 21201
(301) 528-7823

American Society for Public Administration

Committee for Women
Chair: Sally Gutierrez, Director of
Professional Development and Recruitment,
University of Southern California,
Los Angeles 90013
(213) 741-6081

American Society of Biological Chemists

Committee on Equal Opportunities for
Women
Chair: Elizabeth Maxwell, Laboratory of
Molecular Biology
N14MDD Bldg. 2, Room 222, NIH
Bethesda, MD 20205

American Sociological Association

Committee on the Status of Women
Chair: Barrie Thorne, Department
Sociology
Michigan State University
East Lansing, MI 48824
Staff liaison: Doris Y. Wilkinson, ASA,
1722 N Street, N.W., Washington 20036
(202) 833-3410

American Speech and Hearing Association

Committee on the Equality of the Sexes:
Chair: Margaret McKibben,
2815 Brentwood Ave., Pittsburgh, PA 15227

American Studies Association

Committee on Women
Coordinator: Joanna S. Zangrando,
Department of American Studies,
Skidmore College, Saratoga Springs,
N.Y. 12866
(518) 584-5000

Association for Asian Studies

Committee on Women in Asian Studies
Chair: Hanna Papanek, 2 Mason
Street, Lexington, Mass. 02173
(617) 862-7776

Association for Women in Mathematics

Office: Wellesley College
Wellesley, MA 02181
President: Judith Roitman, Department of
Mathematics, University of Kansas,
Lawrence, Kan. 66045
(913) 864-4140

Association for Women in Science

President: Sheila Hafflin
1346 Connecticut Ave., N.W. Suite 1122
Washington 20036
(202) 833-1998

Association of American Colleges
Project on the Status and Education of Women
Director: Bernice Resnick Sandler
P.S.E.W.,A.A.C., 1818 R St., N.W.,
Washington 20009
(202) 387-1300

Association of American Geographers
Committee on the Status of Women
Chair: Susan Hanson, Department of
Geography, Middlebury College
Middlebury, VT 05753

Association of American Law Schools
Section on Women in Legal Education
Chair: Marilyn Ireland, California Western
School of Law, 350 Cedar Street
San Diego, CA 92101

Biophysical Society
Committee on Professional Opportunities for Women
Women's Caucus
Chair: Barbara Brodsky
Dept. of biochemistry,
Rutgers Medical School
Piscataway, NJ 08854
(201) 564-4397

College Art Association of America
Committee on the Status of Women
Chair: Mary Garrard, Department of Fine
Arts, American University, Massachusetts
and Nebraska Aves., N.W.,
Washington 20016
(202) 686-2114

International Sociological Association
Research Committee on Sex Roles in Society
Chair: Hanna Papanek
2 Mason Street,
Lexington, Mass. 02173
(617) 862-7776

Latin American Studies Association
Committee on Women
Chair: Jane Jaquette, Department of

Latin American Studies—Continued
Political Science, Occidental College,
Los Angeles, 90041
(213) 259-2868

Linguistic Society of America
Committee on the Status of Women
in Linguistics
Chair: Suzette Elgin
2469 Caminto Ocean Cove
Cardiff, CA 92007
(714) 753-1709

Modern Language Association
Commission on the Status of Women
MLA, 62 Fifth Avenue, New York, NY 10011

National Association for Women Deans, Administrators and Counselors
Executive director: Pat Rueckel,
1625 I Street, N.W., Suite 624-A,
Washington 20006
(202) 659-9330

National Council for the Social Studies
Committee on Sexism and Social Justice
Chair: Kathy Scott, 209 J Education,
Florida State University,
Tallahassee, Fla. 32306
(904) 644-5458

National Council of Administrative Women in Education
Executive director: Frances Hamilton
1201 16th Street, NW,
Washington, DC 20036
(202) 833-4200

National Council of Teachers of English
Women's Committee
Chair: Lallie Coy, Triton College, River Grove,
IL 60171
(312) 456-0300 ext.281

National Education Association
Women's Caucus
Chair: Terry Bergeson, 4205 Evanston

NEA—Continued
Ave. N., Apt. 206, Seattle, Wash. 98103
(206) 633-0761

National University Extension Association
Division of Women's Education
Chair: Mary Burkhardt, Director
Community Services and Women's Programs
Auburn University, 208 Sanford Hall
Auburn, AL 36830
(205) 826-5100
Committee on Concerns for Women
Chair: Peggy Houston, University of Iowa,
Iowa City 52242
(319) 353-4290

Society for Women in Philosophy Midwest Division
Contact: Peg Simons, Department of
Philosophical Studies, Southern Illinois
University, Edwardsville, Ill. 62025
(618) 692-2179

Society of American Archivists
Committee on the Status of Women
Chair: Nancy Sahli, NHPRC,
National Archives, Washington, DC 20408
(202) 724-1630

Sociologists for Women in Society
Secretary: Sara B. Fein
2317 N. Sibley Street
Alexandria, VA 22311
(703) 931-5824

Speech Communication Association
Women's Caucus
Chair: Martha Womack Haun
Speech Communication Faculty, 627 AH
University of Houston
Houston, TX 77004
(713) 749-4551 (or 749-3521)

Women's Educators
Coordinator: Candace Schau
University of New Mexico
Albuquerque 87131 ms, Ga. 30602
(505) 277-5141

SOURCES: AMERICAN ASSOCIATION OF UNIVERSITY WOMEN AND FEDERATION OF ORGANIZATIONS FOR PROFESSIONAL WOMEN, WITH UPDATING BY THE CHRONICLE AND E.P.E.

University Presses

Following is a list of university presses in North America, including their names, addresses, telephone numbers, top officials as of May 15, 1980, chief areas of publication interest, and scholarly periodicals issued. Information for the list was obtained from the Association of American University Presses, the Association of Canadian University Presses, and the presses themselves.

University of Alabama Press

Box 2877
University, Ala. 35486
(205) 348-5180

Director: Malcolm M. MacDonald
Managing editor: Elizabeth May

▶ Scholarly books, monographs, especially in politics and public administration, Judaic studies, history, literature, philosophy, linguistics, philology; nonfiction and regional books; periodicals: *The Alabama Review*, *American Speech*, *Revista de Estudios Hispanicos*; monograph series: *Publications of the American Dialect Society*, *Studies in the Humanities*

University of Arizona Press

Box 3398
Tucson, Ariz. 85722
(602) 626-1441

Director and editor: Marshall Townsend

▶ Scholarly books, particularly in the fields with which Arizona universities are identified; regional nonfiction; Association for Asian Studies Monograph, Occasional Papers, and Reference series; Viking Fund Publications in Anthropology; quarterly journal of history: *Arizona and the West*

Brigham Young University Press

209 University Press Building
Provo, Utah 84602
(801) 378-2591

Director: Ernest L. Olson
Managing editor: John N. Drayton

▶ General academic, scholarly research, and Western regional books; textbooks

University of British Columbia Press

303-6344 Memorial Rd.
University of British Columbia
Vancouver, B.C. V6T 1W5
(604) 228-3259

Director: Anthony N. Blicq
Senior editor: Jane Fredeman

▶ Works concentrating on Asia and the Pacific, Canadian literary criticism, Western Canada, and international law; *The Canadian Yearbook of International Law*; quarterly journals: *Pacific Affairs*, *Canadian Literature*, *B. C. Studies*

UBC—Continued

Brown University Press

194 Meeting Street, Box 1881
Providence, R.I. 02912
(401) 863-2455

▶ Scholarly and regional works; Brown Egyptological Studies; the Brown University Slavic Reprint Series

Bucknell University Press

Lewisburg, Pa. 17837
(717) 524-3674

Director: Mills F. Edgerton, Jr.
Associate director: Cynthia Fell

▶ Scholarly books; *Bucknell Review*

University of California Press

2223 Fulton Street
Berkeley, Cal. 94720
(415) 642-4247

Director: James H. Clark

▶ Scholarly books; books of general interest; 20 series of scholarly monographs; scholarly journals: *Asian Survey*, *Ethos*, *Film Quarterly*, *Journal of African Studies*, *Nineteenth-Century Fiction*, *Nineteenth-Century Music*, *Pacific Historical Review*, *Policy Analysis*, *Romance Philology*

Cambridge University Press

32 East 57th Street
New York 10022
(212) 688-8885

Director: Euan H. Phillips
Editorial director: Walter H. Lippincott, Jr.

▶ Scholarly books and monographs; bibles; and journals: *Annals of Human Genetics*, *The Behavioral and Brain Sciences*, *Biological Reviews of the Cambridge Philosophical Society*, *The British Journal of Medical Psychology*, *The British Journal of Nutrition*, *British Journal of Political Science*, *The British Journal of Psychology*, *The British Journal of Social and Clinical Psychology*, *The Cambridge Law Journal*, *Comparative Studies in Society and History*, *The Economic Journal*, *European Journal of Sociology*, *Experimental Agriculture*, *Genetical Research*, *Geological Magazine*, *The Historical Journal*, *International Journal of Middle East Studies*, *The Journal of African History*, *The Journal of Agricultural Science*, *Journal of American Studies*, *Journal of Anatomy*, *Journal of Cell Science*, *Journal of Child Language*, *Journal of Dairy Research*, *The Journal of Ecclesiastical History*, *Journal of Embryology and Experi-mental Morphology*, *Journal of Experimental Biology*, *Journal of Fluid Mechanics*, *The Journal of General Microbiology*, *The Journal of General Virology*, *Journal of Latin American Studies*, *Journal of Linguistics*, *Journal of the Marine Biological Association of the U.K.*, *The Journal of Modern African Studies*, *The Journal of Physiology*, *Journal of Plasma Physics*, *Journal of Occupational Psychology*, *Journal of Social Policy*, *Language in Society*, *Language Teaching and Linguistics: Abstracts*, *Mathematical Proceedings of the Cambridge Philosophical Society*, *Modern Asian Studies*, *New Testament Studies*, *Parasitology*, *Philosophy*, *The Proceedings of the Nutrition Society*, *Psychological Medicine*, *Quarterly Reviews of Biophysics*, *Religious Studies*, *Transactions of the British Mycological Society*

Cambridge University Press—Continued

Catholic University of America Press

620 Michigan Avenue, N.E.
Washington 20064
(202) 635-5052

Manager: Marian E. Goode

▶ Scholarly works in history, language and literature, philosophy, and religion; Fathers of the Church series; dictionary; language series

University of Chicago Press

5801 Ellis Avenue
Chicago 60637
(312) 753-3344

Director: Morris Philipson
Editor-in-chief: James L. Romig

▶ Scholarly books and monographs; advanced or experimental textbooks at the graduate level; serious nonfiction of special interest; scholarly and professional journals: *Adolescent Psychiatry*, *The American Journal of Human Genetics*, *American Journal of Sociology*, *The American Naturalist*, *The Astrophysical Journal*, *The Astrophysical Journal Supplement Series*, *Botanical Gazette*, *Bulletin of the Center for Children's Books*, *Child Development*, *Child Development Abstracts and Bibliography*, *Monographs of the Society for Research in Child Development*, *Classical Philology*, *Comparative Education Review*, *Critical Inquiry*, *Current Anthropology*, *Economic Development and CulturalChange*, *The Elementary School Journal*, *Ethics*, *History of Religions*, *International Journal of American Linguistics*, *IJAL Native-American Texts Series*, *The Journal of Business*, *The Journal of Geology*, *The Journal of Infectious Diseases*, *The Journal of Medicine and Philosophy*, *The Journal of Modern History*, *Journal of Near Eastern Studies*, *Journal of Political Economy*, *The Journal of Religion*, *The Library Quarterly*, *Modern Philology*, *Ocean Yearbook*, *Perspectives in Biology and Medicine*, *Physiological Zoology*, *School Review*, *Signs: Journal of Women in Culture and Society*, *Social Service Review*, *Supreme Court Review*, *Technology and Culture*, *Winterthur Portfolio*, *Zygon: Journal of Religion and Science*

Colorado Associated University Press

University of Colorado
1424 15th Street
Boulder, Colo. 80309
(303) 492-7191

Director: John T. Schwartz
Editor: Frederick Rinehart

▶ Scholarly, scientific, and regional works

Columbia University Press

562 West 113th Street
New York 10025
(212) 678-6777

Director: John D. Moore

Columbia University Press—Continued

▶ Scholarly works; nonfiction of general interest; scientific and technical books; university-level textbooks; reference books; quarterly periodical: *American Speech*; publishing agent for the Foundation Center; distributors of *Universitetsforlaget*, publishers to Norwegian universities of English language editions

Cornell University Press

124 Roberts Place
Ithaca, N.Y. 14850
(607) 257-7000
Director: Roger Howley
Editor: Bernhard Kendler

▶ Serious nonfiction books and monographs in virtually every area of scholarship; Cornell Paperbacks series

Duke University Press

6697 College Station
Durham, N.C. 27708
(919) 684-2173
Director and editor: Ashbel G. Brice

▶ Scholarly books and monographs; currently active series: the Publications of the Duke University Center for Commonwealth Studies, Comparative Studies on Southern Asia, Comparative Legislative Studies, Duke Monographs in Medieval and Renaissance Studies, and *American Literary Scholarship* (annual); journals: *American Literature; Bulletin; The Duke Mathematical Journal; Ecology; Ecological Monographs; Hispanic American Historical Review; History of Political Economy; Journal of Health Politics, Policy, and Law; Journal of Medieval and Renaissance Studies; Journal of Personality; Law and Contemporary Problems; South Atlantic Quarterly*

Duquesne University Press

600 Forbes Avenue
Pittsburgh 15219
(412) 434-6610
Director: John Dowds

▶ Scholarly books in philosophy, psychology, language, literature, and African studies

Fairleigh Dickinson University Press

Madison, N.J. 07940
(201) 377-4050
Editor: Harry Keyishian

▶ Scholarly books

University Presses of Florida

15 N.W. 15th Street
Gainesville, Fla. 32603
(904) 392-1351
Director: Phillip L. Martin

▶ Scholarly books; books on state and regional history and culture and Latin American affairs; books of general interest; series: Floridiana, Gerontology, Humanities, Latin American Studies, and Social Sciences; The Handbook of Latin American Studies

Fordham University Press

University Box L
Bronx, N.Y. 10458

Fordham University Press—Continued

(212) 933-2233
Director and editor: H. George Fletcher

▶ Scholarly books and monographs; periodicals: *Traditio: Studies in Ancient and Medieval History, Thought, and Religion; Thought: A Review of Culture and Idea; The Baker Street Journal: An Irregular Quarterly of Sherlockiana*

University of Georgia Press

Athens, Ga. 30602
(404) 542-2830
Director: Paul Zimmer
Asst. dir. & editor: Iris Tillman Hill

▶ Scholarly books and monographs; Contemporary Poetry Series

Harvard University Press

79 Garden Street
Cambridge, Mass. 02138
(617) 495-2600
Director: Arthur J. Rosenthal
Editor-in-chief: Maud E. Wilcox

▶ Scholarly books and monographs; publications of the Commonwealth Fund; serious nonfiction of general interest; many scholarly series; the Loeb Classical Library

Howard University Press

2900 Van Ness Street, N.W.
Washington, D.C. 20008
(202) 686-6696
Executive director: Charles F. Harris
Senior editor: Cheryl Chisholm

▶ Scholarly books in history, education, and the humanities; reference materials; directory: *Black Engineers in the United States; Journal of Religious Thought*

University Press of Hawaii

2840 Kolowalu Street
Honolulu 96822
(808) 948-8255
Director: Robert Sparks
Executive editor: Iris M. Wiley

▶ Scholarly books and monographs, particularly those dealing with the Pacific and Asia; regional books; journals: *Philosophy East and West, Pacific Science, Oceanic Linguistics, Asian Perspectives*

University of Illinois Press

Box 5081, Station A
Champaign, Ill. 61820
(217) 333-0950
Director: Richard L. Wentworth

▶ Scholarly books; fiction; poetry; nonfiction of general interest; five series of scholarly monographs; journals: *Journal of Aesthetic Education, American Journal of Psychology, Comparative Literature Studies, Journal of English and Germanic Philology, Library Trends, Illinois Journal of Mathematics*

Indiana University Press

Tenth and Morton Streets
Bloomington, Ind. 47405
(812) 337-4203
Director: John Gallman

▶ Scholarly and educational books; nonfiction and regional books of general interest; series in semiotics, phenomenology and existential philosophy, film, American history since World War II, literature in translation; special fields are African studies, women's studies, politics and public policy, environment and ecology, folklore and anthropology, music

Inter American University Press

G.P.O. Box 3255
San Juan, Puerto Rico 00936
(809) 763-9622
Director-editor: John H. Zebrowski

▶ Scholarly works; *Revista / Review Interamericana*

University of Iowa Press

Graphic Services Building
Iowa City 52242
(319) 353-3181
Director: John Simmons
Editor: Arthur Pflughaupt

▶ Scholarly books and monographs and serious books of general interest; poetry translation series; short fiction series; Midwestern regional books

Iowa State University Press

Ames, Iowa 50010
(515) 294-5280
Director: Merritt E. Bailey
Managing editor: Rowena G. Malone

▶ Scholarly books and monographs; advanced and experimental textbooks; scientific and technical books; nonfiction of general interest; journals: *Iowa State Journal of Research, Poet and Critic*

Johns Hopkins University Press

Baltimore 21218
(301) 338-7832
Director: J. G. Goellner
Editorial director: Anders Richter

▶ General and specialized nonfiction; scholarly books; journals: *American Journal of Mathematics, American Journal of Philology, Bulletin of the History of Medicine, Diacritics, ELH, Human Factors, The Johns Hopkins Medical Journal, MLN, Review in American History, New Literary History*

Regents Press of Kansas

303 Carruth-O'Leary
Lawrence, Kan. 66045
(913) 864-4154
Director: John H. Langley
Editor-in-chief: Yvonne Willingham

▶ Scholarly and regional books

directory

Kent State University Press
Kent, Ohio 44242
(216) 672-7913
Director: Paul H. Rohmann
Production editor: Martha Gibbons
▶ General scholarly nonfiction and regional works; journals: *Civil War History, Mid-Continental Journal of Archeology*

University Press of Kentucky
Lexington, Ky. 40506
(606) 258-2951
Director: Kenneth Cherry
Editor: Jerome Crouch
▶ Scholarly and regional books

Les Presses de l'Université Laval
C.P. 2447
Québec G1K 7R4
(418) 656-3001
Director: Claude Frémont
Editor: Lucien Zérounian
▶ Scholarly books, monographs, and textbooks; journals: *Etudes Littéraires, Relations Industrielles/Industrial Relations, Recherches Sociographiques, Service Social, Les Cahiers de Droit, Laval Théologique et Philosophique, Cahiers de Géographie de Québec, Le Naturaliste Canadien, Etudes Internationales*

Louisiana State University Press
Baton Rouge 70803
(504) 388-2071
Director: Leslie E. Phillabaum
Executive editor: Beverly Jarrett
▶ Nonfiction; scholarly books; books of regional interest; poetry and short fiction; translations

Loyola University Press
3441 North Ashland Avenue
Chicago 60657
(312) 281-1818
Director: The Rev. Daniel L. Flaherty, SJ
▶ Scholarly works; textbooks

McGill-Queen's University Press
1020 Pine Avenue West
Montreal H3A 1A2
(514) 392-4421
Director: Donald M. Sutherland
Executive editor: Beverly Johnston
▶ Scholarly books, especially in social sciences and humanities; monographs; general-interest nonfiction; Northern and Artic regional studies

University of Massachusetts Press
Box 429
Amherst, Mass. 01004
(413) 545-2217

University of Massachusetts Press—Continued
Director: Leone Stein
Editor: Richard Martin
▶ Scholarly books and monographs in Afro-American studies, art, biography, history, literary criticism, philosophy, poetry, regional studies, social studies

M.I.T. Press
28 Carleton Street
Cambridge, Mass. 02142
(617) 253-5646
Director: Frank Urbanowski
Managing editor: Helen I. Osborne
▶ Scholarly books and monographs; advanced textbooks; nontechnical treatments of specialized subjects; periodicals: *American Journal of Law and Medicine, Cell, Linguistic Inquiry, Journal of Interdisciplinary History, Neurosciences Research Program Bulletin, Oppositions*

Memphis State University Press
Memphis 38152
(901) 454-2752
Director: J. Ralph Randolph
▶ Scholarly nonfiction; regional works; reprints

University of Miami Press
P. O. Box 249088
Coral Gables, Fla. 33124
(305) 284-3356
Director: Robert I. Fuerst
▶ Scholarly books and monographs

University of Michigan Press
839 Greene Street
Ann Arbor, Mich. 48106
(313) 764-4387
Director: Jean Busfield
▶ Scholarly works; nonfiction; classics in translation; experimental textbooks; paperbacks

Michigan State University Press
1405 South Harrison Road
East Lansing, Mich. 48824
(517) 355-9543
Director: Jean Busfield
▶ Scholarly works; textbooks; works of general interest

University of Minnesota Press
2037 University Avenue, S.E.
Minneapolis 55414
(612) 373-3266
Director: John Ervin, Jr.
Assistant director: William A. Wood
▶ Scholarly works; regional and general-interest nonfiction; college and graduate-level textbooks

University Press of Mississippi
3825 Ridgewood Road

University Press of Mississippi—Continued
Jackson, Miss. 39211
(601) 982-6205
Director: Barney McKee
▶ Scholarly works; regional works, mainly in area of southern history and literature

University of Missouri Press
200 Lewis Hall
Columbia, Mo. 65211
(314) 882-7641
Director: Edward King
Senior editor: Susan Kelpe
▶ Scholarly books and monographs, especially in literary criticism and American history; several series; regional books; poetry; general-interest publications

Les Presses de l'Université de Montréal
C.P. 6128
Montréal H3C 3J7
(514) 343-6929
Director: Danielle Ros
Managing editor: Jacques Latour
▶ Scholarly books and monographs; serious nonfiction of special interest; scholarly journals: *Etudes Francaises, Meta, Revue Canadienne de [illegible]ologie, Acta Criminologica, Sociologie et Sociétés, Revue de Géographie de Montréal*

University of Nebraska Press
901 North 17th Street
Lincoln, NE 68588
(402) 472-3581
Director: David H. Gilbert
Executive Editor: Stephen F. Cox
▶ Scholarly nonfiction; regional history; works on natural resources; general-interest nonfiction; periodical: *Prairie Schooner*

University of Nevada Press
Reno, Nevada 89557
(702) 784-6573
Director: Robert Laxalt
Asst. dir. & editor: Nicholas M. Cady
▶ Scholarly books and monographs; books on Nevada and the west, anthropology, and art; Basque studies

University Press of New England
Box 979
Hanover, N.H. 03755
(603) 646-3348
Director and editor: Thomas McFarland
▶ Scholarly and regional works

University of New Mexico Press
Albuquerque, N.M. 87131
(505) 277-2346
Director: Hugh W. Treadwell
Managing Editor: Carl J. Mora

University of New Mexico Press—Continued
▶ Scholarly works; general-interest nonfiction; books dealing with New Mexico and the Southwest; anthropology, Latin American studies

New York University Press
113-15 University Place, 9th floor
New York 10003
(212) 598-2886

Director: Malcolm C. Johnson, Jr.
Managing editor: Robert L. Bull
▶ Books and monugraphs in the fields of literature, public affairs, science, social sciences, international relations and world affairs, and the arts

University of North Carolina Press
Box 2288
Chapel Hill, N.C. 27514
(919) 933-2105

Director: Matthew N. Hodgson
▶ Scholarly books on American history and literature, biography, economics, medicine, psychiatry, philosophy, political science, psychology and sociology; history books on art, law, music, and the classics; natural history specializing in the Southeast; literary criticism; regional books; series: musicology, history of law; journals: *The High School Journal, Social Forces, Studies in Philology*

Northern Illinois University Press
DeKalb, Ill. 60115
(815) 753-1826

Director: Richard T. Congdon
▶ Scholarly books in the humanities and sciences; monographs; regional works; supplementary texts

Northeastern University Press
18 Forsyth Bldg., 360 Huntington Avenue
Boston, MA 02115
(617) 437-2783

Director: William A. Frohlich
▶ A select number of scholarly books, both original manuscripts and new editions of classics, in almost every field. Current books are in American history, drama, literature, French poetry, music, and architecture.

Northwestern University Press
1735 Benson Avenue
Evanston, Ill. 60201
(312) 492-5313

Editor: Janice Feldstein
▶ Scholarly books, with special interests in African studies, phenomenology, political science, literary criticism, and speech development

University of Notre Dame Press
Notre Dame, Ind. 46556
(219) 283-6346

Director: James R. Langford

University of Notre Dame—Continued
Editor: Ann Rice
▶ Scholarly books in philosophy, theology, government and international relations, Mexican-American studies, sociology, and English literature; reprints

Ohio State University Press
2070 Neil Avenue
Columbus, Ohio 43210
(614) 422-6930
Director: Weldon A. Kefauver
Editor: Robert S. Demorest
▶ Nonfiction; journals: *Journal of Higher Education, Geographical Analysis, Journal of Money, Credit, and Banking*

Ohio University Press
Athens, Ohio 45701
(614) 594-5852

Director: Patricia Elisar
Managing editor: Holly Panich
▶ Scholarly books; poetry; regional and reference works

University of Oklahoma Press
1005 Asp Avenue
Norman, Okla. 73019
(405) 325-5111

Director: Edward [illegible] Shaw
Editor-in-chief: Luther Wilson
▶ Scholarly books; general-interest nonfiction; periodicals: *Oklahoma Law Review, World Literature Today*

Oregon State University Press
Waldo Hall 101
Corvallis, Ore. 97331
(503) 754-3166

Director: Thomas H. Sanders
▶ Scholarly books; regional books; higher-education series

Editions de l'Université d'Ottawa
65 Hastey Avenue
Ottawa K1N 6N5
(613) 231-2270

Director: The Rev. Leopold Lanctot
▶ Research by professors of the University of Ottawa; periodicals: *Crime and Justice/Crime et Justice, Incidence, Inscape, Revue Generale de Droit, Revue de l'Université d'Ottawa, Social History/Histoire Sociale*

Oxford University Press
200 Madison Avenue
New York 10016
(212) 679-7300

President: Byron Hollinshead
▶ Nonfiction trade books; art; religion; reference books; medical, music, and technical works; textbooks

University of Pennsylvania Press
3933 Walnut Street
Philadelphia 19174
(215) 243-6261

Director: Maurice English
▶ Scholarly works, especially in folklore, history, linguistics, management, medieval studies, public affairs, sociology

Pennsylvania State University Press
215 Wagner Building
University Park, Pa. 16802
(814) 865-1327

Director: Chris W. Kentera
Editorial director: John M. Pickering
▶ Scholarly books in all fields; some regional titles; general nonfiction; music; periodicals: *The Shaw Review, The Journal of General Education, The Chaucer Review, The Journal of General Linguistics, Philosophy & Rhetoric*

University of Pittsburgh Press
127 North Bellefield Avenue
Pittsburgh, Pa. 15260
(412) 624-4110

Director: Frederick A. Hetzel
Editor: Louise Craft
▶ Scholarly books in the humanities and social sciences, particularly in history, political science, Latin American studies, descriptive bibliography, literary critcism, philosophy, anthropology, sociology; poetry; works in mental health

Princeton University Press
Princeton, N.J. 08540
(609) 452-4900

Director: Herbert S. Bailey, Jr.
Editor and director: R. Miriam Brokaw
▶ Scholarly books; Bollingen series; journals: *Annals of Mathematics, Philosophy, and Public Affairs, Princeton Alumni Weekly, World Politics*

Purdue University Press
South Campus Courts-D
West Lafayette, Ind. 47907
(317) 749-6083

Director: William J. Whalen
Managing editor: Verna Emery
▶ Scholarly books

Les Presses de L'Université du Québec
C.P. 250
Sillery, P.Q. G1T 2R1
(418) 657-2426

Directeur: Jean-Marc Gagnon
▶ Scholarly books in sociology, mathematics, biology, history, literature, linguistics

Rockefeller University Press

1230 York Avenue
New York 10021
(212) 360-1217

Acting director & editor: Helene J. Jordan
▶ Books based on scientific research, particularly in the life sciences; journals: *The Biophysical Journal, The Journal of Cell Biology, Journal of Clinical Investigation, Journal of Experimental Medicine, The Journal of General Physiology*

Rutgers University Press

30 College Avenue
New Brunswick, N.J. 08903
(201) 932-7761

Director: Herbert F. Mann
▶ Scholarly books in the humanities and social sciences, plus popular books about the state and region

University of South Carolina Press

Columbia, S.C. 29208
(803) 777-5243

Director: Robert T. King
Assistant director: Earle W. Jackson
▶ Scholarly and regional books; annual: *Studies in Scottish Literature*

Southern Illinois University Press

Box 3697
Carbondale, Ill. 62901
(618) 453-2281

Director: Kenny Withers
▶ Scholarly books; fiction reprints; regional books; general-interest books and various educational materials such as phonograph records, educational tests, microfiche, and films

Southern Methodist University Press

Dallas 75275
(214) 692-2263

Director: Allen Maxwell
Editor: Margaret L. Hartley
▶ Scholarly and regional books; monographs; journal: *Southwest Review*

Stanford University Press

Stanford, Cal. 94305
(415) 497-9434

Director: Leon E. Seltzer
Associate director and editor: J. G. Bell

Stanford University—Continued

▶ Scholarly books; serious nonfiction of general interest

State University of New York Press

State University Plaza
Albany, N.Y. 12246
(518) 473-7602

Director and editor: William D. Eastman
▶ Scholarly books, particularly in Mid-Eastern and Latin American studies, philosophy, language and literature, medieval and early Renaissance studies; journal of the Dante Society of America: *Dante Studies*

Syracuse University Press

1011 East Water Street
Syracuse, N.Y. 13210
(315) 423-2596

Director: Arpena Mesrobian
Editor: Walda Metcalf
▶ Scholarly and technical books and monographs; regional books, including series on the Iroquois and the Adirondacks; serious nonfiction of general interest; *Symposium: A Quarterly Journal in Modern Foreign Literatures*

Teachers College Press

1234 Amsterdam Avenue
New York 10027
(212) 678-3929

Director: Thomas M. Rotell
Senior editor: Mary L. Allison
▶ Books in education; series: Classics in Education Series, Anthropology in Education Series, Nursing Education Monographs, Policy Anaysis and Education Series, Studies in Culture and Communications; curriculum materials

Temple University Press

Philadelphia 19122
(215) 787-8787

Director: David M. Bartlett
Editor-in-chief: Kenneth Arnold
▶ Scholarly and educational books; serious nonfiction; selected textbooks in the social sciences; areas of specialization: social policy, American studies and history, religion, social welfare, ethnic and urban studies

University of Tennessee Press

293 Communications Building
Knoxville, Tenn. 37916
(615) 974-3321

Director: Carol Orr
Senior editor: Katherine Holloway
▶ Scholarly books and monographs; general and regional nonfiction

University of Texas Press

Box 7819
Austin, Tex. 78712
(512) 471-7233

Director: John H. Kyle
▶ General scholarly works, especially in the humanities, social sciences, science, and all aspects of Latin American studies; books of regional significance

Texas A&M University Press

Drawer C
College Station, Tex. 77843
(713) 845-1436

Director: Lloyd G. Lyman
Editor: Margaret Ingram
▶ Scholarly nonfiction, especially in environmental sciences, economics, history, environmental history, natural history, and art; regional works

University of Toronto Press

Toronto M5S 1A6
(416) 978-2232

Director: Harald Bohne
General editor: Ian Montagnes
▶ Scholarly books, monographs; textbooks; general nonfiction; journals: *Atmosphere, The Canadian Geographer, The Canadian Historical Review, The Canadian Journal of Behavioural Science, The Canadian Journal of Economics, The Canadian Journal of Linguistics, The Canadian Journal of Mathematics, The Canadian Journal of Psychology, The Canadian Review of Comparative Literature, The Canadian Review of Sociology and Anthropology, English Studies in Canada, The Phoenix, Canadian Public Policy, Scholarly Publishing, Seminar, The University of Toronto Law Journal, The University of Toronto Quarterly*

Troy State University Press

Troy, Ala. 36081
(205) 566-3000
▶ Scholarly books, monographs; general nonfiction; books of state and regional interest; short fiction and poetry

University of Utah Press

101 USB
Salt Lake City 84112
(801) 581-6771

Director: Norma B. Mikkelsen
Assistant director: Trudy McMurrin
▶ Scholarly works, with emphasis on Western history, archeology, linguistics, meso-American works, and poetry

Vanderbilt University Press

Box 1813, Station B
Nashville 37235

Vanderbilt University—Continued

(615) 322-3585

Director: John W. Poindexter
Manager: Jane C. Tinsley
▶ Scholarly books, monographs; regional books

University Press of Virginia

Box 3608 University Station
Charlottesville, Va. 22903
(804) 924-3468

Director: W. Walker Cowen
▶ Scholarly books and monographs; general nonfiction

University of Washington Press

Seattle 98105
(206) 543-4050

Director: Donald R. Ellegood
Editor-in-chief: Naomi Pascal
▶ Scholarly books, advanced textbooks, regional books; paperbacks; general-interest nonfiction; films, filmstrips, records, language tapes, slides, microforms, and videotapes

University Press of Washington, D.C.

University Press Building
Riverton, Va. 22651
(703) 635-4029

Director: M. E. Mills
Executive editor: E. S. Larsen

University Press of Washington, DC—Continued

▶ Scholarly works, college textbooks, general nonfiction, poetry; foundation press, outlet for institutions without campus press facilities and for selected government agencies

Wayne State University Press

5959 Woodward Avenue
Detroit 48202
(313) 577-4606

Director: Bernard M. Goldman
Chief editor: Jean Owen
▶ Scholarly books and monographs; regional books; general interest nonfiction; experimental textbooks; quarterly journals: *American Imago, Criticism: A Quarterly for Literature and the Arts, Human Biology, Walt Whitman Review*

Wesleyan University Press

55 High Street
Middletown, Conn. 06457
(203) 347-6965
▶ Scholarly nonfiction; regional books, poetry, journal: *History and Theory: Studies in the Philosophy of History*

Wilfrid Laurier University Press

75 University Avenue West
Waterloo, Ont. N2L 3C5
(519) 884-7300

Director: Harold Remus

Wilfrid Laurier—Continued

▶ Scholarly books; periodicals: *Studies in Religion/Sciences Religieuses, Germano-Slavica, Canadian Journal of Political Science/Revue Canadienne de Science Politique, Philosophy of Social Sciences*

University of Windsor Press

Windsor, Ont. N9B 3P4
(519) 253-4232

Chairman & chief editor: Eugene McNamara
▶ Scholarly books; journal: *University of Windsor Review*

University of Wisconsin Press

114 N. Murray Street
Madison, Wis. 53715
(608) 262-4928

Director: Thompson Webb
▶ Scholarly books and monographs; journals: *Arctic Anthropology, Contemporary Literature, International Organization, Journal of Consumer Affairs, Journal of Human Resources, Land Economics, Luso-Brazillian Review, Monatshefte*

Yale University Press

92A Yale Station
New Haven 06520
(203) 432-4969

Director: John G. Ryden
Editor-in-chief: Edward Tripp
▶ Scholarly books; papers of Benjamin Franklin and Thomas More; Western Americana series; reference books

Voluntary Academic Consortia

Following is a listing of more than 100 academic consortia, each of which is a voluntary organization with two or more member institutions. Each has more than one academic program administered by a professional director. The Consortium directory, compiled by the Council for Interinstitutional Leadership, may be obtained from the council. Box 6293, University, Ala. 35486.

ACCTion Consortium
1118 King Street
Alexandria, VA 22314
(703) 548-8022
Richard M. Witter, executive director

Alabama Center for Higher Education
2121 8th Avenue, North
Birmingham, Ala. 35203
(205) 324-4626
Charlena Bray, executive director

Alabama Consortium for the Development of Higher Education
Box 6293
University, Ala. 35486
(205) 348-5207
Julia B. Tidwell, executive director

Associated Colleges of Central Kansas
105 East Kansas
McPherson, Kan. 67460
(316) 241-5150

Associated Colleges of the Midwest
18 South Michigan Avenue
Chicago, Ill. 60603
(312) 263-5000

Associated Colleges of the St. Lawrence Valley
SUNY College at Potsdam
Raymond Hall
Potsdam, N.Y. 13676
(315) 265-2790
Fritz H. Grupe, executive director

Associated Colleges of the Twin Cities
2115 Summit Avenue
St. Paul, Minn. 55105
(612) 647-5810
Birgit Birkeland, executive director

The Association for Graduate Education and Research
Box 688, Richardson, Tex. 75080
(214) 231-7211
Gilbert A. Peters, executive director

Atlanta University Center, Inc.
360 Westview Drive SW
Atlanta, Ga. 30310
(404) 522-8980
Charles W. Merideth, chancellor

Auraria Higher Education Center
Box 4615, Denver, Colo. 80204
(303) 629-3291
Jerome F. Wartgow, executive director

Austin Community Colleges
P.O. Box 2165
Austin, TX 78768
(512) 476-6381
H. Ren Kent, coordinator

Boston Theological Institute
210 Herrick Road
Newton Centre, Mass. 02159
(617) 969-2946
John Turnbull, director

Brooklyn Educational and Cultural Alliance
26 Court Street, Suite 2701
Brooklyn, N.Y. 11242
(212) 852-4400
Howard B. Hornstein, executive director

Capital Consortium for Continuing Higher Education
Richard Bland College
Petersburg, Va. 23803
(804) 732-0111
Ernest L. Barnett, administrator

Central Illinois Arts Consortium
260 Capitol Campus
Sangamon State University
Springfield, Ill. 62708
(217) 782-2515
Gary Maxey, executive director

Central Pennsylvania Consortium
Dickinson College
Carlisle, Pa. 17013
(717) 245-1490
Beverley D. Eddy, executive director

Central Virginia Consortium
University of Virginia
104 Midmont Lane
Charlottesville, Va. 22903
(804) 924-3747
John D. Murdaugh, administrator

Charleston Higher Education Consortium
171 Ashley Avenue
Charleston, S.C. 29403
(803) 792-3627
John W. Zemp, executive director

Chicago Cluster of Theological Schools
1100 East 55th Street
Chicago, Ill. 60615
(312) 667-3500
Frederick K. Wentz, executive director

Chicago Consortium of Colleges and Universities
2235 North Sheffield Drive
Chicago, Ill. 60614
(312) 549-4590
John M. Beck, executive director

Chicago Metro Higher Education Council
Chicago State University E. 117
95th Street at King Drive
Chicago, Ill. 60628
(312) 995-7100
Presley D. Holmes, president

Christian College Consortium
11 Dupont Circle, NW
Washington, D.C. 20036
(202) 232-4477
John R. Dellenback, president

The Claremont Colleges
c/o Claremont University Center
Claremont, Cal. 91711
(714) 626-8511
Joseph B. Platt, president

Cleveland Commission on Higher Education
c/o Cleveland Public Library
Business and Science Building

Cleveland (cont.)
Cleveland, Ohio 44144
(216) 241-7583
Sister Mary Marthe, S.N.D., chairman

College Center of the Finger Lakes
22 West Third Street
Corning, N.Y. 14830
(607) 962-3134
Evelyn W. Wood, executive director

Colleges of Mid-America
Sioux Falls College
1501 South Prairie
Sioux Falls, S.D. 57101
(605) 332-5951
Garry DeRose, president

Committee on Institutional Cooperation
820 Davis Street
Evanston, Ill. 60201
(312) 866-6630
Frederick H. Jackson, director

Confederation of Universities of Central America
Apartado 37, Ciudad Universitaria
San Pedro M. de Oca. Costa Rica
252744
Sergio Ramirez Mercado, secretary general

Conference of Rectors and Principals of Quebec Universities
2, Complexe Desjardins
Montreal H5B 1B3
(514) 228-8524
Richard Perusse, director general

Consortium for Continuing Higher Education in Northern Virginia
4210 Roberts Road
Fairfax, Va. 22030
(703) 323-2155
Charlotte Wilhelmi, administrator

Consortium on Financing Higher Education
238 Main Street, Suite 500
Cambridge, Mass. 02142
(617) 253-5030
Katherine Hanson, executive dir.

Consortium for Health Education in Northwest Ohio
Medical College of Ohio
Toledo, Ohio 43699
(419) 381-4235
Elsa L. Brown, secretary

Consortium for Lifelong Learning in Arizona through Instructional Media
P.O. Box 10000
Phoenix, AZ 85064
(602) 955-1000
Jay M. Sayer, executive director

Consortium of State Colleges in Colorado
203 State Services Bldg.
1525 Sherman Street
Denver, CO 80203
(303) 839-2588
John A. Marvel, president

Consortium of Universities of the Washington Metropolitan Area
1717 Massachusetts Avenue, N.W.
Washington 20036
(202) 265-1313
Rev. John P. Whalen, executive director

Consortium for Urban Education, Indianapolis, Inc.
155 East Market Street
Indianapolis 46204
(317) 264-3709
Noel C. Baker, provost

Cooperating Raleigh Colleges
Meredith College
Raleigh, N.C. 27611
(919) 833-6461
J. P. Freeman, director

Cooperating Winfield Colleges
St. John's College, Seventh and College
Winfield, Kan. 67156
(316) 221-4000
Richard Dunfee, coordinator

The Cooperative Continuum of Education
Room 609, 130 Stuyvesant Place
Staten Island, N.Y. 10301
(214) 447-2600
Edward L. Brennan, director

Council for Intercultural Studies and Programs
60 East 42nd Street
New York 10017
(212) 972-9877
Walter T. Brown, president

Council for the Advancement of Experiential Learning
American City Building, Suite 208
Columbia, Md. 21044

Experiential Learning (Cont.)
(301) 997-3535
Morris T. Keeton, executive director

Council of Ontario Universities
130 Saint George Street
Toronto M5S 2T4
(416) 979-2165
Edward Joseph Monahan, executive director

Council of West Suburban Colleges
5700 College Road
Lisle, Ill. 60532
(312) 971-0960
Claudette Dwyer, executive director

Dayton-Miami Valley Consortium
1810 Harvard Boulevard
Dayton, Ohio 45406
(513) 278-9105
Pressley C. McCoy, president

Detroit Area Consortium of Catholic Colleges
20,000 West Nine Mile Road
Southfield, Mich. 48075
(313) 357-0564
Joan Mount, executive director
el4

East Central College Consortium
Mount Union College
Alliance, Ohio 44601
(216) 821-5320
David R. Ragosin, executive director

East-Central Illinois Community College Consortium
Parkland College
2400 West Bradley Avenue
Champaign, Ill. 61820
(217) 351-2236
Clifton H. Matz, chairman

Educom, Inc. Princeton
Box 364, Rosedale Road
Princeton, N.J. 08540
(609) 921-7575
John M. McCredie, president

Federation of North Texas Area Universities
10830 North Central Expressway
Dallas 75231
(214) 361-2290
Martha Wood, executive director

Five Colleges, Inc.
Box 740, Amherst, Mass. 01002

Five Colleges (Cont.)
(413) 256-8316
E. Jefferson Murphy, coordinator

Graduate Studies Center at Millikin University
1184 West Main Street
Decatur, Ill. 62522
(217) 424-6202
William D. Lewis, director

Graduate Theological Union
2465 Le Conte Avenue
Berkeley, Cal. 94709
(415) 841-9811
Claude Welch, dean and president

Great Lakes Colleges Association
220 Collingwood
Ann Arbor, MI 48103
(313) 761-4833
Jon W. Fuller, president

Greater Cincinnati Consortium of Colleges and Universities
119 Alter Hall
Xavier University
Cincinnati 45207
(513) 745-3104
Michael J. Devine, executive director

Greater Hartford Consortium for Higher Education
30 East Elizabeth Street
West Hartford, Conn. 06105
(203) 236-1203
Ruth Billyou, coordinator

Greensboro Regional Consortium, Inc.
40 Greensboro College
Greensboro, N. C. 27420
(919) 275-4549
William J. Lanier, executive director

Higher Education Consortium for Urban Affairs, Inc.
Hamline University
St. Paul, Minn. 55104
(612) 646-8831
Stephan Conway, executive director

Higher Education Consortium on Assessment
137 Newbury Street

Assessment (Cont.)
Boston 02116
(617) 261-5570
Paul S. Pottinger, director of Assessment Systems

Higher Education Council of St. Louis
4378 Lindell Boulevard
St. Louis 63108
(314) 534-2700
F. C. Gamelin, president

Hudson-Mohawk Association of Colleges and Universities
849 New Loudon Road
Latham, N.Y. 12110
(518) 785-3219
Robert M. Briber, executive director

Illinois Educational Consortium
One North Old State Capitol Plaza
Springfield, Ill. 62701
(217) 782-4066
Charles Allan, president

Institute for Teaching and Learning
Spelman College
350 Spelman Lane, S.W.
Atlanta 30314
(404) 681-3643
Pauline E. Drake, director

Inter-University Council of the North Texas Area
Box 68[illegible]
Richardson, Tex. 75080
(214) 231-7211
Gilbert A. Peters, executive director

Inter-University Doctoral Project
New York University, Dept. 123
Washington Square,
New York, NY 10003
(212) 598-3335
Benjamin Rivlin, director

Inter-University Institute of Engineering Control
Department of Engineering
University of Warwick
Coventry CV4 7AL England
(0202) Coventry 24011
R. W. Pratt, research project manager

Iron Range Regional Center
Mesabi Community College, Rm. 150
9th Avenue & N. Chestnut
Virginia MN 55792
(218) 741-4210
Patrick Baudhuin, coordinator

Joint Center for Graduate Study
100 Sprout Road
Richland, WA 99352
(509) 375-3176
Peter K. Shen, executive director

Kansas City Regional Council for Higher Education
912 East 63rd Street
Kansas City, Mo. 64110
(816) 361-4143
Larry Rose, president

Kansas Newman College-Friends University Cooperative Program
3100 McCormick Avenue
Wichita, Kan. 67213
(316) 942-4291
Jim Prosser, executive director

Kentuckiana Metroversity
Garden Court
Alta Vista Road
Louisville, Ky. 40205
(502) 897-3374
John H. Ford, executive director

Lake Superior Association of Colleges and Universities
210 Washburn Hall
2305 East Fifth Street
Duluth, Minn. 55812
(218) 724-7100
Judith A. Kotar, program coordinator

League for Innovation in the Community College
1100 Glendon Avenue
Westwood Center
Los Angeles 90024
(213) 479-3941
Terry O'Banion, executive director

Lehigh Valley Area Health Education Center
2171 28th Street, S.W.
Allentown, Pa. 18103
(215) 791-2222
No executive officer

Lehigh Valley Association of Independent Colleges
Old Seminary Building
Moravian College
Bethlehem, Pa. 18018
(215) 691-6131
Harry L. Price, coordinator

Metro East St. Louis Regional Council on Interinstitutional Cooperation
Box 1588
Edwardsville, Ill. 62026
(618) 629-3340
Alfred J. Junz, executive director

Mid-Missouri Associated Colleges and Universities
231 Gentry Hall
University of Missouri
Columbia, Mo. 65201
(314) 882-7558
Douglas Ensminger, president

Midwest Universities Consortium for International Activities
610 North Walnut Street
Madison, Wis. 53706
(608) 263-1950
John T. Murdock, executive director

Nashville University Center
University Plaza
1007 18th Avenue, South
Nashville 37212
(615) 322-4953
Anne Brown, executive director

National Student Exchange
Indiana University-Purdue University
at Fort Wayne
2101 Coliseum Boulevard
Fort Wayne, Ind. 46805
(219) 482-5736
Bette Worley, coordinator

Nebraska ETV Council for Higher Education
P.O. Box 83111
Lincoln, Neb. 68501
(402) 472-3611
Lee Rockwell, executive director

New Hampshire College and University Council
2321 Elm Street
Manchester, N. H. 03104

New Hampshire (Cont.)
(603) 669-3432
Henry W. Munroe, executive director

New Orleans Consortium
7214 Saint Charles Avenue
New Orleans 70118
(504) 866-4826
Larry Warner, executive director

The North Central University Center
1600 South Minnesota Avenue
Sioux Falls, S. D. 57105
(605) 336-5555
Tom Kilian, president

Northeastern Ohio Universities College of Medicine
Rootstown, Ohio 44272
(216) 325-2511
Charles V. Blair, vice-provost

Northern Plains Consortium for Education
Jamestown College
Jamestown, N. D. 58401
(701) 253-2505
Donald T. Cannon, executive director

Northwest Ohio Consortium
c/o Bowling Green State University
Bowling Green, Ohio 43403
(419) 372-0151
Ronald Marso, vice-provost

Northwestern Pennsylvania Planning Council for Higher Education
Box 703
Edinboro, Pa. 16412
(814) 732-2802

Oak Ridge Associated Universities
Box 117
Oak Ridge, Tenn. 37330
(615) 483-8411
Philip L. Johnson, executive director

Office of the Council of State Colleges and University Presidents
Olympia, Wash. 98505
(206) 866-6125
Robert L. Carr, director

The Ohio College Association, Inc.
Box 3082, University Station
Columbus, Ohio 43210
(614) 422-8041
Gary Andeen, Exec. Secretary-treasurer

Oregon Independent Colleges Association
Riviera Plaza
1618 S. W. First Avenue
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What's In at Department of Education

These are the final program placement decisions for programs included in the new Department of Education. Other federal education programs are the responsibility of the Departments of Agriculture, Commerce, Defense, Health and Human Resources, Interior, Justice, Labor, State, Transportation, and ERDA, GSA, NASA, Government Printing Office, Library of Congress, Action, National Endowments for the Arts and Humanities, National Science Foundation, Smithsonian Institution, Veterans' Adminstration, Environmental Protection Agency, and the National Gallery of Art.

Office of Elementary and Secondary Education

Compensatory Education

Basic Grants
Concentration Grants
State Incentive Grants
State Administration
Neglected and Delinquent
Head Start/Follow Through Service Projects
Head Start/Follow Through Demonstration Awards

Educational Equity and Support

Emergency School Aid/General Grants
Emergency School Aid/Special Projects Grants
Emergency School Aid/Magnet Schools
Emergency School Aid/Non-profit
  Organizations Grants
Civil Rights Act
Racially Isolated School Districts
Improving Local Educational Practices
Guidance, Counseling and Testing
Strengthening State Educational
  Agency Management
Equalization Assistance
Career Education Incentive Act
Teacher Centers
Impact Aid/Maintenance and Operations
Impact Aid/Construction
Ellender Fellowship Program
General Assistance to the Virgin Islands

Indian Education

Indian Elementary and Secondary School Act
Special Programs and Projects to Improve
  Educational Opportunities
  for Indian Children
Special Programs Relating to
  Adult Education for Indians
Program Administration

Migrant Education

Migrant Education/Title I
High School Equivalency Program/CETA
College Assistance Migrant Program/CETA

Office of Postsecondary Education

Student Financial Assistance

BEOG
SEOG
State Student Incentive Grants
College Work Study
National Direct Student Loan Program
Guaranteed Student Loans

Graduate Student Fellowships and Support

Graduate/Professional Education
  Opportunities
Public Service Fellowships
Mining and Mineral Science Fellowships
Law Enforcement Education Program

Student Support Services

Talent Search
Upward Bound
Special Services for Disadvantaged
  Students
Educational Opportunity Centers
Staff Training for TRIO Programs
Biomedical Science Program

Categorical Institutional Assistance

Stengthening Developing Institutions
Land Grant Colleges and Universities
Cooperative Education
Community College Unit
Veteran's Cost of Instruction
Payments to Institutions of
  Higher Education/Title IV-A(HEA)
College and University Unit

Facilities Assistance

College Housing Loans
Construction Assitance for
  Academic Facilities
Construction-Model Intercultural Centers
Assistance in Major Disaster Areas

State-Wide Information and Planning

State Postsecondary Education Commissions
Educational Information Centers

Continuing Education

University Community Services
  and Continuing Education
Lifelong Learning

Legal Training and Support

Legal Training for the Disadvantaged
Law School Clinical Experience
Law Enforcement Internship Program

International Education

National Defense Education Act
Mutual Education and Cultural Exchange
Special Foreign Currency Program
International Communications Agency
Agency for International Development
International Education Act of 1966

Special Endowments and Institutions

Wayne Morse Chair of Law
  and Politics
Hubert H. Humphrey
  Institute
Everett Dirksen Center
Howard University

Postsecondary Education Eligibility and Agency Evaluation

Office of Vocational and Adult Education

Education and Employment

Basic Grants to States
Program Improvement and
  Supportive Services
Programs of National Significance
Special Programs for the Disadvantaged
Consumer and Homemaking Education
State Advisory Councils
State Planning Grants
Permanent Appropriation
Indian Contract Program
Emergency Assistance for Remodeling
  and Renovation of Vocational Education
  Facilities
Youth Employment Program
Correction Education Program

Assessing Adults to Education and Work

Grants to States
Commissioner's Discretionary Funds
Indochina Refugee Adult Education
Adult Education Program for Immigrants

School/Community Linkages

Community Schools (Title VIII)

Others

Adult Education Clearinghouse
Community Schools Clearinghouse

Office of Special Education and Rehabilitation Services

Special Education

Grants for the Removal of
  Architectural Barriers
State Grant Program
Preschool Incentive Grants
Deaf-Blind Centers

Severely Handicapped Projects
Early Childhood Education
Regional Vocational, Adult and Postsecondary Programs
Innovation and Development
Media Services and Captioned Films
Regional Resource Centers
Recruitment and Information
Special Education Personnel Development
Special Studies Program
Education of Handicapped Children in State-Operated and State-Supported Schools
Gifted and Talented Children/Capacity Building Grants

Rehabilitation Services

Basic State Grants
Services Projects
Independent Living
Training

Handicapped Research

Discretionary Grants
Research and Training Overseas

Special Institutions

Gallaudet College
American Printing House for the Blind
National Technical Institute for the Deaf

Others

SSI and SSDI Vocational Rehabilitation
Handicapped Information
National Council on the Handicapped

Office of Educational Research and Improvement

National Institute of Education

Teaching and Learning
Educational Policy and Organization
Dissemination and Improvement of Practice
School Finance Study

Fund for the Improvement of Postsecondary Education

National Center for Education Statistics

State Capacity Building Grants

Federal Education Data Acquisition Council

Education Management Information Systems

Museum Services

Science Education

Pre-College Teacher Development
Minority Institutions Science Improvement

School Improvement

Arts in Education
Metric Education
Consumer Education
Pre-school Partnership
Law-related Education
Health Education
Environmental Education
Population Education
PUSH for Excellence
Cities in Schools
Baltimore Blueprint
Civic/Citizenship Education
Marine/Aquatic Education
Energy Education Action Center
Special Grants for State Schools
Alcohol and Drug Abuse Education
Basic Skills Improvement
Educational Proficiency Standards
National Diffusion Program
Women's Educational Equity Act
Ethnic Heritage Studies

Educational Professional Development Programs

Teacher Training
Teacher Corps
Administrators' Management Training
Territorial Teacher Training Assistance

Library Programs

Public Library Services
  Library Services and Construction Act
Interlibrary Cooperative Services
  Library Services and Construction Act
Instructional Materials and School Library Resources(ESEA)
College Library Resources
Library Training (HEA)
Library Research and Demonstration (HEA)
Strengthening Research Library Resources

Educational Technology

NSF Science Education Projects
Educational Televison Programming
Technology for Basic Skills Instruction
Educational Television and Radio Desegregation Assistance
Telecommunications Demonstrations
Televison Program Assistance

Office of Bilingual Education and Minority Languages Affairs

State and Local Capacity Building Activities

Basic Projects
State Educational Agency Coordinating Technical Assistance
Bilingual Education Service Centers
Training Projects
State Educational Training Projects
Indochinese Refugee Children Assistance

Program Development, Demonstration, Dissemingation and Desegregation Activities

Training Institutes
Bilingual Education Fellowship Program
Demonstration Projects
Desegregation Support
School of Education Projects
Evaluation , Dissemination, and Assessment Centers
Material Development Centers
Part C, Coordinating Committee for Bilingual Research
National Advisory Council for Bilingual Education
National Clearinghouse for Bilingual Education
Bilingual Vocational Training

Office of Education for Overseas Dependents

Overseas Dependents Schools

Other Agencies with Higher Education Programs

Department of Agriculture
Department of Commerce
Department of Defense
Department of Health and Human Resources
Department of the Interior
Department of Justice
Department of Labor
Department of State
Department of Transportation
Action
Appalachian Regional Commission
Energy Research and Development Administration
General Services Administration
Government Printing Office
Library of Congress
National Aeronautics and Space Administration
National Endowment for the Arts
National Endowment for the Humanities
National Science Foundation
Community Services Administration
Smithsonian Institution
Veterans Administration
Environmental Protection Agency
National Gallery of Art

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 Carnegie Council on Policy Studies: Recommendations
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 and Interpretive Comments
265 1976 Recommended Institutional Regulations on Academic
 Freedom and Tenure
271 Constitution of the United States

From Land-Grant Colleges to a Cabinet Department: 192 Years of Federal Education Legislation

1787
▶ The Northwest Ordinance authorized land grants for the establishment of educational institutions.

1802
▶ An act (21 STAT. 34) established the U. S. Military Academy.

1862
▶ The First Morrill Act (12 STAT. 503) donated public lands to the states and territories to establish institutions, which came to be called "land-grant colleges," for students to study agriculture and the mechanical arts.

1867
▶ The Department of Education Act (14 STAT. 434) established an agency to collect and disseminate information on education in the states and territories. The following year the agency's name was changed to the Office of Education.

1876
▶ An appropriations act established the U. S. Coast Guard Academy.

1890
▶ The Second Morrill Act (26 STAT. 417) provided federal funds for instruction in the land-grant institutions.

1911
▶ The State Marine School Act authorized federal funds for any nautical school in 11 specified seaport cities.

1917
▶ The Smith-Hughes Act (P.L. 64-347), also called the Vocational Education Act of 1917, provided grants to states for agricultural, industrial, and trade-related education below the college level.

1918
▶ The Vocational Rehabilitation Act provided grants for job training for World War I veterans.

1920
▶ The Smith-Bankhead Act authorized grants to states for vocational-rehabilitation programs.

1936
▶ An act (P.L 84-415) established the U. S. Merchant Marine Academy.

1944
▶ The Servicemen's Readjustment Act (P.L. 78-346), also called the GI Bill, provided federal aid for World War II veterans to continue their education.

1945
▶ The Fulbright Act (P.L. 79-584) established the Board of Foreign Scholarships to finance exchanges of school teachers, graduate students, and faculty members between the United States and other countries.

1946
▶ The George-Barder Act (P.L. 79-586), also called the Vocational Education Act, expanded federal support for vocational education.

1948
▶ The United States Information and Educational Exchange Act (P.L. 80-402) established the exchange of persons, knowledge, and skills between the United States and other countries.

1950
▶ The School Construction in Areas Affected by Federal Activities Act (P.L. 81-815) provided assistance for school construction in locales where enrollments were increased as a result of federal activities.

1954
▶ An act (P.L. 83-325) established the U. S. Air Force Academy.
▶ The Cooperative Research Act (P.L. 83-531) authorized cooperative arrangements between the Office of Education and colleges, universities, and state education agencies for educational research.
▶ An act (P.L. 83-532) established the National Advisory Committee on Education to recommend to the Secretary of Health, Education, and Welfare national studies needed in education.

1957
▶ The Practical Nurse Training Act (P.L. 85-865) provided grants to states for training practical nurses.

1958
▶ The National Defense Education Act (P.L. 85-865) provided funds for programs in science, mathematics, foreign languages, and other subjects to insure that the United States would have enough people trained in critical areas to meet national defense needs.
▶ The Education of Mentally Retarded Children Act (P.L. 85-926) authorized federal funds to train teachers for handicapped persons.

1961
▶ The Area Redevelopment Act (P.L. 87-27) provided assistance to state vocational-education agencies.

1962
▶ The Manpower Development and Training Act (P.L. 87-415) supported training for unemployed and under-employed persons.

1963
▶ The Health Professions Educational Assistance Act (P.L. 88-129) provided funds to expand teaching facilities and loans for students in the health professions.
▶ The Higher Education Facilities Act (P.L. 88-204) authorized financial assistance for classrooms, libraries, and laboratories in two- and four-year colleges and universities and technical institutes.
▶ The Vocational Education Act (P.L. 88-210) increased federal support for residential vocational schools, work-study programs, and research and training in vocational education.

1964

▶ The Civil Rights Act (P.L. 88-352), under Title IV, mandated the desegregation of public educational institutions and, under Title VI, made racial and ethnic discrimination illegal in programs that receive federal financial assistance.

▶ The Economic Opportunity Act (P.L. 88-452) authorized grants for college work-study programs, support for vocational training for unemployed youths, and a number of other educational and training programs.

1965

▶ The Elementary and Secondary Education Act (P.L. 89-10) provided financial assistance to local educational agencies to educate the children of low-income families and provided grants for testing, guidance and counseling. Title VII, called the Bilingual Education Act, provided funds for bilingual programs at the preschool, elementary, and secondary levels.

▶ The Health Professions Educational Assistance Amendments (P.L. 89-290) authorized scholarships for needy students in the health professions and grants to improve the quality of instruction in professional schools.

▶ The Higher Education Act (P.L. 89-329) provided funds to colleges and universities for community service, continuing education, cooperative education, and libraries. It also established the Teacher Corps and offered support for graduate education. Title III provided funds for "developing institutions," while Title IV authorized the Basic and Supplemental Educational Opportunity Grants programs and other student financial aid and established the Student Loan Marketing Association. Title XII includes Section 1202, which required state postsecondary-education commissions.

▶ The National Foundation on the Arts and the Humanities Act (P.L. 89-209) authorized grants and loans for projects in the creative and performing arts and research, training, and scholarly publications in the humanities.

▶ The National Vocational Student Loan Insurance Act (P.L. 89-287) encouraged state and non-profit private institutions to establish loan insurance programs to assist students.

1966

▶ The Adult Education Act (P.L. 89-750) authorized grants to states for programs to help adults continue their education at least through high school and obtain training for jobs.

▶ The Elementary and Secondary Education Amendments (P.L. 89-750) authorized additional funds for programs for handicapped children.

▶ The International Education Act (P.L. 89-698) authorized grants to higher-education institutions for graduate and undergraduate international-studies centers.

▶ The National Sea Grant College and Program Act (P.L. 89-688) authorized sea-grant colleges and programs of education and research in marine resources.

1968

▶ The Elementary and Secondary Education Amendments (P.L. 90-247) authorized support for regional centers for education of handicapped children and programs in bilingual education.

▶ The Higher Education Amendments (P.L. 90-575) authorized new programs for disadvantaged college students and clinical experience for law students.

▶ The Vocational Education Amendments (P.L. 90-576) provided federal grants to states for vocational education and part-time employment for persons of all ages and all educational levels.

1970

▶ The Alcohol and Drug Abuse Education Act (P.L. 91-527) provided grants for educational programs and teacher training to combat drug abuse.

▶ The Environmental Education Act (P.L. 91-516) established the Office of Environmental Education to develop elementary, secondary, and community programs in ecology.

1972

▶ The Education Amendments (P.L. 92-318) established the Education Division, the National Institute of Education, and other agencies. Title IX prohibited discrimination based on sex in any program receiving federal funds.

1973

▶ The Comprehensive Employment and Training Act (P.L. 93-203) established a system of federal, state, and local programs to train economically disadvantaged and unemployed persons and provide job opportunities.

1974

▶ The Education Amendments (P.L. 93-380) consolidated several programs and established the National Center for Education Statistics.

1975

▶ The Indian Self-Determination and Education Assistance Act (P.L. 93-638) provided for more participation by Indians in their educational programs.

1976

▶ The Education Amendments (P.L. 94-482) provided federal assistance to the states for career development and educational programs and for guidance and counseling activities.

1978

▶ The Career Education Incentive Act (P.L. 95-207) authorized career-education programs for the elementary and secondary schools.

▶ The Education Amendments (P.L. 95-561) established a comprehensive basic skills program for reading, writing, and mathematics in public schools.

▶ The Middle Income Students Act (P.L. 95-566) extended the Basic Educational Opportunity Grants program to students from families earning up to $25,000 a year and made it easier for independent students to receive financial aid.

▶ The Tribally Controlled Community College Assistant Act (P.L. 95-471) provided federal funds to improve tribally controlled community colleges for Indian students.

1979

▶ The Department of Education Organization Act (S 210) created a Cabinet-level Department of Education, consolidating under a Secretary of Education 152 programs from the Education Division of the Department of Health, Education, and Welfare, and other agencies.

Meeting the Problems of the Next 2 Decades

Virtually all of America's colleges and universities, suggests the final report of the Carnegie Council on Policy Studies in Higher Education, will suffer some ill effects from the changes of the next two decades. But institutions and state and federal governments can undertake activities to mitigate the problems, and the Council urges starting with the "imperatives."

Imperatives for Colleges and Universities

▶ *Analyze all factors affecting enrollments.*

Demography.

Changing population mix.

Labor-market changes.

Type of institution.

State population and fiscal trends.

▶ *Insist on institution-wide or system-wide planning.*

Anticipate future problems.

Avoid moving from crisis to crisis.

Consider prospects for each campus in multi-campus institutions.

▶ *Encourage strong leadership.*

Give chief executive ample authority and assurance of reasonable term of service.

▶ *Intensify recruitment efforts and reduce attrition.*

Rely on methods appropriate to academic life.

Avoid deceptive advertising.

▶ *Give high priority to holding quality.*

Maintain high standards for faculty.

Insist on quality in teaching.

Protect internal life of institution.

Maintain its distinctive characteristics.

Improve achievement capacity of graduates.

Emphasize high standards of scholarship—and of research in research-oriented institutions.

Preserve institutional integrity.

▶ *Encourage innovation and flexibility.*

Develop curriculum that is sensitive to change but also to emphasis on general education.

Establish fund for innovation.

Avoid too high a proportion of tenured-in faculty.

Encourage new programs and instructional techniques.

▶ *Make most effective use of resources.*

Avoid excessive number of courses and proliferation of degrees.

Review student-faculty ratios by department.

Maintain adequate support personnel.

Avoid excessive cuts in plant maintenance and library acquisitions.

▶ *Seek support from private sources.*

Find imaginative ways to reach donors.

▶ *Concentrate on proposals to federal and state governments that will result in better programs at no increase in the real levels of federal and state expenditures; that acknowledge the likelihood of some reduction but not proportionately to reduced enrollments.*

Imperatives for States

▶ *Maintain at least the current level of per-capita funding of higher education in constant dollars.*

This principle should release funds for support of private colleges in a time of declining enrollment.

States below national average in per-capita funding should consider increasing it.

▶ *Provide need-based tuition scholarships for all.*

Require reasonable self-help from students.

Consolidate needs test with that of federal government to eliminate inequities.

Provide for portability of scholarships.

▶ *Support private higher education while maintaining its autonomy.*

Emphasize student aid as chief means.

Contract for services of private institutions where appropriate.

Maintain state tax policies that encourage private giving to both private and public institutions.

▶ *Assist in developing plans for adaptation of colleges to changing needs.*

Encourage elimination of weak or overly specialized programs.

Develop plans for mergers of institutions facing deficient enrollments.

Avoid bailing out institutions.

Encourage adaptation of programs where this will forestall closures.

▶ *Avoid excessive regulation.*

Consult with representatives of higher education before adopting new regulations.

Avoid pre-audit controls over expenditures.

Provide for easy internal transfer of funds.

▶ *Use flexible funding formulas.*

▶ *Encourage diversity among institutions and within institutions.*

Establish a FIPSE-type fund for innovation.

Use funding formulas that adjust for high-cost programs and rising overhead costs per student.

▶ *Encourage institutional consortia and interstate cooperation.*

Support consortia that will permit greater diversity as well as economies.

Seek interstate cooperation to provide for highly specialized and expensive programs and to develop improved enrollment and financing projections.

▶ *Insure statewide coverage by open-access institutions and by Area Health Education Centers.*

▶ *Expend public funds, as far as possible, as though they were private funds.*

Provide substantial autonomy for all institutions in their use of funds subject to competition in getting results and, wherever possible, make expenditures via private individuals, as in scholarships.

Imperatives for Fed. Government

▶ *Improve federal student-aid provisions without increasing their cost.*

Target more aid to low-income students through revisions of the needs test and through a special BEOG override and modifications in SEOG.

Require self-help from all students except in hardship cases.

Replace inadequate, costly, and inequitable loan programs by a National Student Loan Bank.

Increase SSIG funding substantially so as to encourage fully developed state scholarship programs in all states.

Avoid tuition tax credits, which are regressive and self-defeating.

▶ *Restore policy of adequate support of research.*

Increase R&D appropriations as a percentage of GNP to levels of the 1960's and maintain that level.

Adopt special program to maintain flow of young scholars along the lines of the proposal of the Commission on Human Resources.

Avoid stop-and-go research financing.

Increase funds to support scholarship in the arts and humanities.

Provide high, stable support for research libraries.

Finance improvements in research facilities and equipment.

▶ *Encourage private giving to all of higher education.*

Maintain existing tax incentives for contributions.

▶ *Avoid excessive regulation.*

Consult with representatives of higher education and adopt impact statements for new regulations.

Review existing regulations to eliminate unnecessary reporting and other burdensome requirements.

Consolidate enforcement in a single agency, where many are involved, as in affirmative action.

Avoid infringements on admissions policies, as in the case of medical schools, and other encroachments on autonomy.

▶ *Continue health manpower policies aimed at overcoming geographical maldistribution and overspecialization.*

Maintain stable support of medical and dental education, but discourage establishment of new medical schools.

Continue support of National Health Service Corps and encourage new AHEC programs in lagging states.

▶ *Gradually increase support for FIPSE.*

▶ *Expend public funds, as far as possible, as though they were private funds.*

This includes substantial autonomy for the public foundation; and expenditures via private individuals, as in the BEOG program.

Statement of Principles in Admission and Recruitment

Following is the text of the "Joint Statement on Principles of Good Practice in College Admissions and Recruitment" developed by the American Association of Collegiate Registrars and Admissions Officers, the College Board, the National Association of College Admissions Counselors, and the National Association of Secondary School Principals.

1
Admissions Promotion and Recruitment

1.1—Principles relating to colleges and universities

A. Admissions counselors are professional members of their institution's staff. As professionals, they receive remuneration on a fixed salary, rather than commission or bonus based on the number of students recruited.

B. When admissions counselors are responsible for the development of publications used for their institution's promotional and recruitment activities designed to elicit the interests of prospective students, these publications should:

▶ State clearly and precisely requirements for secondary school preparation, admissions tests, and transfer-student admissions requirements;

▶ Include a current and accurate admissions calendar;

▶ Give precise information about opportunities and requirements for financial aid;

▶ Describe in detail any special programs such as overseas study, early decision, early admission, credit-by-examination, or advanced placement;

▶ Contain descriptions of the campus and community that are current and realistic.

C. Colleges and universities are responsible for all people whom they involve in admissions, promotional, and recruitment activities (including their alumni, coaches, students, faculty) and for educating them about the principles outlined in this statement.

Colleges and universities that engage the services of admissions management firms or consulting firms are responsible for assuring that such firms adhere to the principles stated herein.

D. Admissions counselors are forthright and accurate and give comprehensive information in presenting their institutions to high-school personnel, prospective students, and their parents. They:

▶ State clearly the admissions and other requirements of their institutions;

▶ Make clear all dates concerning application, notification, and candidates' reply requirements, for both admissions and financial aid;

▶ Furnish data descriptive of currently enrolled classes;

▶ Avoid unfavorable comparisons with other institutions.

E. Admissions counselors avoid unprofessional promotional tactics, such as:

▶ Contracting with high-school personnel for remuneration for referred students;

▶ Contracting with placement services that require a fee from the institution for each student enrolled;

▶ Encouraging students to transfer if they have shown no interest in doing so.

F. Admissions counselors do not recruit students enrolled and registered at other colleges or universities unless the students initiate inquiries themselves, or unless cooperation is sought from institutions that provide transfer programs.

1.2—Principles relating to schools

Schools will:

A. Provide a program of counseling that is accurate and comprehensive with respect to the college opportunities sought by students and available to them.

B. Encourage students and their parents to take the initiative in learning about colleges and universities.

C. Invite college and university representatives to assist in counseling candidates about college opportunities.

D. Avoid unfavorable comparisons with other institutions.

E. Refuse unethical or unprofessional requests (*e.g.*, for lists of top students, lists of athletes, etc.) from college or university representatives (*e.g.*, alumni, coaches, etc.).

F. Refuse any reward or remuneration from a college, university, or private counseling service for placement of their school's students.

1.3—Principles relating to community agencies

Such agencies will:

A. Provide accurate descriptions for schools and colleges of the services available through their agencies, since it is the responsibility of community agencies to make such services known to students, parents, secondary schools, and colleges.

B. Provide students with up-to-date information on postsecondary institutions and processes.

C. Assist students in discovering the colleges that meet their abilities, needs, and interests.

D. Counsel students on all postsecondary options: college, vocational education, job opportunities.

E. Report to secondary schools on their respective students so that accurate files can be maintained in the schools.

1.4

College fairs, clearinghouses, and matching services that provide liaison between colleges and universities and students shall be considered a positive part of the admissions process if they effectively supplement other high-school guidance activities and adhere to the principles of good practice stated herein.

2
Application Procedures

2.1

Colleges and universities will:

A. Accept full responsibility for admissions decisions and for proper notification of those decisions to candidates and, when possible, to secondary schools.

B. Receive information about candidates in confidence and respect completely, within the confines of federal and/or state laws, the confidential nature of such data.

C. Not apply newly revised requirements to the disadvantage of a candidate whose secondary school course has been established in accordance with earlier requirements.

D. Notify candidates as soon as possible if they are clearly inadmissible.

E. Not deny admission to a candidate on the grounds that their institution does not have aid funds to meet the candidate's apparent financial need, except for foreign students.

F. Not require candidates or their schools to indicate the order of candidates' college or university preferences, except under early decision plans.

G. Permit candidates to choose without penalty among offers of admission until they have heard from all colleges to which they have applied, or until the date established under the Candidates Reply Date Agreement.

H. Maintain a waiting list of reasonable length and only for a reasonable period of time.

I. State clearly the application procedures for transfer students by informing candidates of deadlines, documents required, courses accepted, and course equivalency.

2.2

Secondary schools will:

A. Provide for colleges and universities accurate, legible, and complete transcripts for their school's candidates.

B. Describe their school's marking system and method of determining rank in class.

C. Describe clearly special curricular opportunities (*e.g.*, honors, advanced placement courses, seminars, etc.).

D. Provide accurate descriptions of the candidates' personal qualities that are relevant to the admissions process.

E. Report any significant change in candidates' status or qualifications between the time of recommendation and graduation.

F. Urge candidates to recognize and discharge their responsibilities in the admissions process by:

▶ Complying with requests for additional information in a timely manner;

▶ Responding to institutional deadlines on admissions and refraining from stockpiling acceptances;

▶ Responding to institutional deadlines on room reservations, financial aid, health records, and pre-scheduling where all or any of these are applicable.

G. Not, without permission of candidates, reveal the candidates' college preference.

H. Advise students not to sign any contractual agreement with an institution without examining the provisions of the contract.

I. Advise students to notify other institutions when they have accepted an admission offer.

2.3

Community agencies will:

A. Exercise their responsibility to the entire educational community.

B. Discourage unnecessary multiple applications.

C. Discourage students from stockpiling offers of admission.

3

Financial Assistance

(where such assistance is based on need)

Financial assistance consists of scholarships, grants, loans, and employment, which may be offered to all students singly or in various forms.

3.1

Colleges and universities will:

A. Strive, through their publications and communications, to provide schools, parents, and students with factual information about their institutions' aid opportunities, programs, and practices.

B. View financial assistance from colleges and other sources as supplementary to the efforts of a student's family when the student is not self-supporting.

C. In determining the financial contribution of a candidate's family, use methods that assess ability to pay in a consistent and equitable manner, such as those developed by the College Scholarship Service and the American College Testing Program.

D. Clearly state the total yearly cost of attending their institution and outline estimates of need for students seeking assistance.

E. Permit candidates to choose, without penalty, among offers of financial assistance until they have heard from all colleges to which they have applied, or until the date established under the Candidates Reply Date Agreement.

F. Clearly state policies on renewals of aid awards.

G. Not announce publicly the amount of financial aid award to an individual candidate, and thus avoid revealing the candidate's family financial situation.

H. Not consider a student's need for financial aid as a criterion for admissions selection.

I. Notify applicants of institutional financial aid decisions before the date by which they must reply to the institution's offer of admission.

J. Meet the full need of students to the extent possible within the institution's capabilities.

K. Make awards to students who apply for renewal of aid by reviewing the student's financial circumstances and establishing the amount of aid needed with full consideration of the student's current need.

3.2

Secondary schools will:

A. Refrain, in public announcements, from giving the amounts of financial aid received by students.

B. Advise students who have been awarded aid by sources outside colleges that it is their responsibility to notify the colleges to which they have applied of the type and amount of such outside assistance.

4

Advanced standing students and the awarding of credit

4.1

Colleges and universities agree that:

A. Placement, credit, and exemption policies that are designed principally to recruit students are inimical to the best interests of students.

B. Student achievement shoudl be evaluated through use of validated methods and procedures.

C. Policies and procedures for granting

credit should be defined and published as part of an institution's preadmissions information.

D. The evaluation of previously earned credit shoud be done in a manner that insures the integrity of academic standards published by the admitting college or university.

4.2

Secondary school personnel agree that they will:

A. Alert students to the full implications of college and university placement, credit, and exemption policies for the student's educational planning and goals.

B. Make students aware of the importance of accreditation.

C. Make students aware of the possibilities of earning credit through nontraditional educational experience and through examination and alternative methods of instruction.

Guidelines for Refunds of Student Charges

Following is the text of "General Policy Guidelines for Refund of Student Charges" developed by the National Association of College and University Business Officers and endorsed by nine organizations.

1 The governing board of the institution should review and approve the schedule of all institutional charges and refund policies applicable to students. The pricing of services and refund policies have important consequences to students, parents, the institution and society; as such, pricing and refund policies should receive board attention and approval.

2 Institutions should seek consumer views in the process of establishing and amending charges and refund structures. Decisions regarding institutional funds are ultimately the sole responsibility of the institution's legally designated fund custodians. However, consumer concerns do affect decision making, and involving consumers in decision making related to charges and refunds is a desirable approach for assessing student needs and creating public awareness of institutional requirements.

3 Institutions should publish a current schedule of all student charges, a statement of the purpose for such charges, and related refund policies, and have them readily available free of charge to current and prospective students. Students and parents have a right to know what charges they will be expected to pay and will or will not be refunded. They also have a right to know what services accompany payment of the charges. Informational materials published free for students and prospective students are ideal for this purpose.

4 Institutions should clearly designate all optional charges as "optional" on all published schedules and related materials. Clearly, charges that are mandatory and charges that are optional must be differentiated well in all printed materials. Also, the institution should make it clear in its schedule if a charge is optional for some students but required for others. Statements accompanying the schedule may include institutional endorsements of the optional program or service.

5 Institutions should clearly identify charges and deposits that are non-refundable as "non-refundable" on all published schedules. Institutions determine on an individual basis which of their charges are refundable or non-refundable. In general, admissions fees, application fees, laboratory fees, facility and student activity fees, and other similar charges are not refundable. Such fees are generally charged to cover the costs of activities such as processing applications and other student information, reserving academic positions, and establishing the limits of institutional programs and services, reserving housing space, and otherwise setting the fixed costs of the institution for the coming academic period.

Institutions determine on an individual basis which of their deposits are refundable or non-refundable. Some deposits will be non-refundable or will be credited to a student's account (*e.g.*, tuition deposits). Others are refundable according to the terms of the deposit agreement (*e.g.*, deposits for breakage).

6 Institutions should refund housing rental charges, less a deposit, so long as written notification of cancellation is made prior to a well-publicized date that provides reasonable opportunity to make the space available to other students. Written notification on or before the beginning of the term of the contract is necessary to ensure utilization of housing units. During the term of the contract, room charges are generally not refundable. However, based on the program offered, space availability, debt service requirements, state and local laws, and other individual circumstances, institutions may provide for some more flexible refund guideline for housing.

7 Institutions should refund board charges in full, less a deposit, if written notification of cancellation is made prior to a well-publicized date that falls on or before the beginning of the term of the contract. Subsequent board charges should be refunded on a

pro rata basis less a withdrawal fee. It is reasonable to make a refund for those goods and services not consumed. The withdrawal charge should reflect that portion of an institution's costs that are fixed for the term of the contract.

8 The institutional tuition refund policy for an academic period should include the following minimum guidelines:

1. The institutions should refund 100 per cent of the tuition charge, less a deposit fee, if written notification of cancellation is made prior to a well-publicized date that falls on or before the first day of classes.

2. The institution should refund at least 25 per cent of the tuition charge if written notification of withdrawal is made during the first 25 per cent of the academic period.

It is reasonable to refund tuition charges on a sliding scale if a student withdraws from his or her program prior to the end of the first 25 per cent of the academic period, but at least 25 per cent should be refunded during this period unless state law imposes a more restrictive refund policy.

9 The institution should assess no penalty charges where the institution, as opposed to the student, is in error.

The institution should make refunds in cases where the institution has assessed charges in error. Penalty charges, such as those involving late registration fees, change of schedule fees, late payment fees, should not be assessed if it is determined that the student is not responfor the action causing the charge to be levied.

10 Institutions should advise students that any notifications of withdrawal or cancellation and requests for refund must be in writing and addressed to the designated institutional officer.

A student's written notification of withdrawal or cancellation and request for a refund provides an accurate record of transactions and also ensures that such requests will be processed on a timely basis.

Acceptance of oral requests is an unacceptable practice.

11 Institutions should pay or credit refunds due on a timely basis. The definition of "timely basis" should include the time required to process a formal student request for refund, to process a check where required, and to allow for mail delivery, when necessary.

If an institution has a policy that a refund of an inconsequential amount will not be made, such policy should be published as a part of all materials related to refund policies.

12 Institutions should publicize, as a part of their dissemination of information on charges and refunds, that an appeals process exists for students or parents who feel that individual circumstances warrant exceptions from published policy.

The informational materials should include the name, title, and address of the official responsible.

While charges and refund policies should reflect extensive consideration of student and institutional needs, it will not be possible to encompass in these structures the variety of personal circumstances that may exist or develop.

Institutions are required to provide a system of due process to their students, and charges and refund policies are legitimately a part of that process.

Students and parents should be informed regularly of procedures for requesting information concerning exceptions to published policies.

Academic Freedom and Tenure

1940 Statement of Principles and Interpretive Comments

In 1940, following a series of joint conferences begun in 1934, representatives of the American Association of University Professors and of the Association of American Colleges agreed upon a restatement of principles set forth in the 1925 Conference Statement on Academic Freedom and Tenure. This restatement is known to the profession as the 1940 Statement of Principles on Academic Freedom and Tenure.

The 1940 Statement is printed below, followed by Interpretive Comments as developed by representatives of the American Association of University Professors and the Association of American Colleges during 1969.

Since 1940, over 85 national education organizations have officially endorsed the 1940 Statement.

The purpose of this statement is to promote public understanding and support of academic freedom and tenure and agreement upon procedures to assure them in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher[1] or the institution as a whole. The common good depends upon the free search for truth and its free exposition.

Academic freedom is essential to these purposes and applies to both teaching and research. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and of the student to freedom in learning. It carries with it duties correlative with rights. **[1]**[2] Tenure is a means to certain ends; specifically: (1) Freedom of teaching and research and of extramural activities and (2) a sufficient degree of economic security to make the profession attractive to men and women of ability. Freedom and economic security, hence, tenure, are indispensable to the success of an institution in fulfilling its obligations to its students and to society.

Academic Freedom

(a) The teacher is entitled to full freedom in research and in the publication of the results, subject to the adequate performance of his other academic duties; but research for pecuniary return should be based upon an understanding with the authorities of the institution.

(b) The teacher is entitled to freedom in the classroom in discussing his subject, but he should be careful not to introduce into his teaching controversial matter which has no relation to his subject. **[2]** Limitations of academic freedom because of religious or other aims of the institution should be clearly stated in writing at the time of the appointment. **[3]**

(c) The college or university teacher is a citizen, a member of a learned profession, and an officer of an educational institution. When he speaks or writes as a citizen, he should be free from institutional censorship or discipline, but his special position in a community imposes special obligations. As a man of learning and an educational officer, he should remember that the public may judge his profession and his institution by his utterances. Hence he should at all times be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that he is not an institutional spokesman. **[4]**

Academic Tenure

(a) After the expiration of a probationary period, teachers or investigators should have permanent or continuous tenure, and their service should be terminated only for adequate cause, except in the case of retirement for age, or under extraordinary circumstance because of financial exigencies.

In the interpretation of this principle it is understood that the following represents acceptable academic practice:

(1) The precise terms and conditions of every appointment should be stated in writing and be in the possession of both institution and teacher before the appointment is consummated.

(2) Beginning with appointment to the rank of full-time instructor or a higher rank, **[5]** the probationary period should not exceed seven years, including within this period full-time service in all institutions of higher education; but subject to the proviso that when, after a term of probationary service of more than three years in one or more institutions, a teacher is called to another institution it may be agreed in writing that his new appointment is for a probationary period of not more than four years, even though thereby the person's total probationary period in the academic profession is extended beyond the normal maximum of seven years. **[6]** Notice should be given at least one year prior to the expiration of the probationary period if the teacher is not to be continued in service after the expiration of that period. **[7]**

(3) During the probationary period a teacher should have the academic freedom that all other members of the faculty have. **[8]**

(4) Termination for cause of a continuous appointment, or the dismissal for cause of a teacher previous to the expiration of a term appointment, should, if possible, be considered by both a faculty committee and the governing board of the institution. In all cases where the facts are in dispute, the accused teacher should be informed before the hearing in writing of the charges against him and should have the opportunity to be heard in his own defense by all bodies that pass judgment upon his case. He should be permitted to have with him an adviser of his own choosing who may act as counsel.

There should be a full stenographic record of the hearing available to the parties concerned.

In the hearing of charges of incompetence the testimony should include that of teachers and other scholars, either from his own or from other institutions.

Teachers on continuous appointment who are dismissed for reasons not involving moral turpitude should receive their salaries for at least a year from the date of notification of dismissal whether or not they are continued in their duties at the institution. [**9**]

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[1] The word "teacher" in this document is understood to include the investigator who is attached to an academic institution without teaching duties.

[2] Bold-face numbers in brackets refer to Interpretive Comments which follow.

(5) Termination of a continuous appointment because of financial exigency should be demonstrably bona fide.

1940 Interpretations

At the conference of representatives of the American Association of University Professors and of the Association of American Colleges on November 7-8, 1940, the following interpretations of the 1940 *Statement of Principles on Academic Freedom and Tenure* were agreed upon:

1. That its operation should not be retroactive.
2. That all tenure claims of teachers appointed prior to the endorsement should be determined in accordance with the principles set forth in the 1925 Conference Statement on Academic Freedom and Tenure.
3. If the administration of a college or university feels that a teacher has not observed the admonitions of Paragraph (c) of the section on *Academic Freedom* and believes that the extramural utterances of the teacher have been such as to raise grave doubts concerning his fitness for his position, it may proceed to file charges under Paragraph (a) (4) of the section on *Academic Tenure*. In pressing such charges the administration should remember that teachers are citizens and should be accorded the freedom of citizens. In such cases the administration must assume full responsibility and the American Association of University Professors and the Association of American Colleges are free to make an investigation.

1970 Interpretive Comments

Following extensive discussions on the 1940 Statement of Principles on Academic Freedom and Tenure *with leading educational associations and with individual faculty members and administrators, a Joint Committee of the AAUP and the Association of American Colleges met during 1969 to reevaluate this key policy statement. On the basis of the comments received, and the discussions that ensued, the Joint Committee felt the preferable approach was to formulate interpretations of the Statement in terms of the experience gained in implementing and applying the Statement for over thirty years and of adapting it to current needs.*

The Committee submitted to the two Associations for their consideration the following "Interpretive Comments." These interpretations were approved by the Council of the American Association of University Professors in April, 1970, and endorsed by the Fifty-sixth Annual Meeting as Association policy.

In the thirty years since their promulgation, the principles of the 1940 *Statement of Principles on Academic Freedom and Tenure* have undergone a substantial amount of refinement. This has evolved through a variety of processes, including customary acceptance, understandings mutually arrived at between institutions and professors or their representatives, investigations and reports by the American Association of University Professors, and formulations of statements by that Association either alone or in conjunction with the Association of American Colleges. These comments represent the attempt of the two associations, as the original sponsors of the 1940 Statement, to formulate the most important of these refinements. Their incorporation here as Interpretive Comments is based upon the premise that the 1940 Statement is not a static code but a fundamental document designed to set a framework of norms to guide adaptations to changing times and circumstances.

Also, there have been relevant developments in the law itself reflecting a growing insistence by the courts on due process within the academic community which parallels the essential concepts of the 1940 Statement; particularly relevant is the identification by the Supreme Court of academic freedom as a right protected by the First Amendment. As the Supreme Court said in *Keyishian v. Board of Regents* 385 U. S. 589 (1967), "Our Nation is deeply committed to safeguarding academic freedom, which is of transcendent value to all of us and not merely to the teachers concerned. That freedom is therefore a special concern of the First Amendment, which does not tolerate laws that cast a pall of orthodoxy over the classroom."

The numbers refer to the designated portion of the 1940 Statement on which interpretive comment is made.

1. The Association of American Colleges and the American Association of University Professors have long recognized that membership in the academic profession carries with it special responsibilities. Both Associations either separately or jointly have consistently affirmed these responsibilities in major policy statements, providing guidance to the professor in his utterances as a citizen, in the exercise of his responsibilities to the institution and students, and in his conduct when resigning from his institution or when undertaking government-sponsored research. Of particular relevance is the *Statement on Professional Ethics*, adopted by the Fifty-second Annual Meeting of the AAUP as Association Policy and published in the *AAUP Bulletin* (Autumn, 1966, pp.290-91).

2. The intent of this statement is not to discourage what is "controversial." Controversy is at the heart of the free academic inquiry which the entire statement is designed to foster. The passage serves to underscore the need for the teacher to avoid persistently intruding material that has no relation to his subject.

3. Most church-related institutions no longer need or desire the departure from the principle of academic freedom implied in the 1940 Statement, and we do not now endorse such a departure.

4. This paragraph is the subject of an Interpretation adopted by the sponsors of the 1940 Statement immediately following its endorsement which reads as follows:

> If the administration of a college or university feels that a teacher has not observed the admonitions of Paragraph (c) of the section on Academic Freedom and believes that the extramural utterances of the teacher have been such as to raise grave doubts concerning his fitness for his position, it may proceed to file charges under Paragraph (a) (4) of the section on Academic Tenure. In pressing such charges the administration should remember that teachers are citizens and should be accorded the freedom of citizens. In such cases the administration must assume full responsibility and the American Association of University Professors and the Association of American Colleges are free to make an investigation.

Paragraph (c) of the 1940 Statement should also be interpreted in keeping with the 1964 "Committee A Statement on Extramural Utterances" (*AAUP Bulletin*, Spring, 1965, p.29) which states inter alia: "The controlling principle is that a faculty member's expression of opinion as a citizen cannot constitute grounds for dismissal unless it clearly demonstrates the faculty member's unfitness for his position. Extramural utterances rarely bear upon the faculty member's fitness for his position. Moreover, a final decision should take into account the faculty member's entire record as a teacher and scholar."

Paragraph V of the *Statement on Professional Ethics* also deals with the nature of the "spe- must be made at least twelve months prior to the completion of the probationary period. If the decision is negative, the appointment for the following year becomes a terminal one. If the decision is affirmative, the provisions in the 1940 Statement with respect to the termination of services of teachers or investigators after the expiration of a probationary period should apply from the date when the favorable decision is made. The general principle of notice contained in this paragraph is developed with greater specificity in the *Standards for Notice of Nonreappointment*, endorsed by the Fiftieth Annual Meeting of the American Association of University Professors (1964).

These standards are:

Notice of nonreappointment, or of intention not to recommend reappointment to the governing board, should be given in writing in accordance with the following standards:

> (1) *Not later than March 1 of the first academic year of service*, if the appointment expires at the end of that year; or, if a one-year appointment terminates during an academic year, at least three months in advance of its termination.
>
> (2) *Not later than December 15 of the second academic year of service*, if the appointment expires at the end of that year; or, if an initial two-year appointment terminates during an academic year, at least six months in advance of its termination.
>
> (3) At least twelve months before the expiration of an appointment after two or more years in the institution.

Other obligations, both of institutions and individuals, are described in the *Statement on Recruitment and Resignation of Faculty Members*, as endorsed by the Association of American Colleges and the American Association of University Professors in 1961.

8. The freedom of probationary teachers is enhanced by the establishment of a regular procedure for the periodic evaluation and assessment of the teacher's academic per- cial obligations" of the teacher. The paragraph reads as follows:

> As a member of his community, the professor has the rights and obligations of any citizen. He measures the urgency of these obligations in the light of his responsibilities to his subject, to his students, to his profession, and to his institution. When he speaks or acts as a private person he avoids creating the impression that he speaks or acts for his college or university. As a citizen engaged in a profession that depends upon freedom for its health and integrity, the professor has a particular obligation to promote conditions of free inquiry and to further public understanding of academic freedom.

Both the protection of academic freedom and the requirements of academic responsibility apply not only to the full-time probationary as well as to the tenured teacher, but also to all others, such as part-time and teaching assistants, who exercise teaching responsibilities.

5. The concept of "rank of full-time instructor or a higher rank" is intended to include any person who teaches a full-time load regardless of his specific title.[3]

6. In calling for an agreement "in writing" on the amount of credit for a faculty member's prior service at other institutions, the Statement furthers the general policy of full understanding by the professor of the terms and conditions of his appointment. It does not necessarily follow that a professor's tenure rights have been violated because of the absence of a written agreement on this matter.

Nonetheless, especially because of the variation in permissible institutional practices, a written understanding concerning these matters at the time of appointment is particularly appropriate and advantageous to both the individual and the institution.

7. The effect of this subparagraph is that a decision on tenure, favorable or unfavorable, formance during his probationary status. Provision should be made for regularized procedures for the consideration of complaints by probationary teachers that their academic freedom has been violated. One suggested procedure to serve these purposes is contained in the *Recommended Institutional Regulations on Academic Freedom and Tenure*, prepared by the American Association of University Professors.

9. A further specification of the academic due process to which the teacher is entitled under this paragraph is contained in the *Statement on Procedural Standards in Faculty Dismissal Proceedings*, jointly approved by the American Association of University Professors and the Association of American Colleges in 1958.

This interpretive document deals with the issue of suspension, about which the 1940 Statement is silent.

The 1958 Statement provides: "Suspension of the faculty member during the proceedings involving him is justified only if immediate harm to himself or others is threatened by his continuance. Unless legal considerations forbid, any such suspension should be with pay."

A suspension which is not followed by either reinstatement or the opportunity for a hearing is in effect a summary dismissal in violation of academic due process.

The concept of "moral turpitude" identifies the exceptional case in which the professor may be denied a year's teaching or pay in whole or in part.

The statement applies to that kind of behavior which goes beyond simply warranting discharge and is so utterly blameworthy as to make it inappropriate to require the offering of a year's teaching or pay.

The standard is not that the moral sensibilities of persons in the particular community have been affronted.

The standard is behavior that would evoke condemnation by the academic community generally.

[3] For a discussion of this question, see the "Report of the Special Committee on Academic Personnel Ineligible for Tenure," *AAUP Bulletin*, Autumn, 1966, pp. 280-282.

1976 Recommended Institutional Regulations on Academic Freedom and Tenure

Recommended Institutional Regulations on Academic Freedom and Tenure *set forth, in language suitable for use by an institution of higher education, rules which derive from the chief provisions and interpretations of the 1940* Statement of Principles on Academic Freedom and Tenure *and of the 1958* Statement on Procedural Standards in Faculty Dismissal Proceedings. *The* Recommended Institutional Regulations *were first formulated by Committee A on Academic Freedom and Tenure [of the American Association of University Professors] in 1957. A revised and expanded text, approved by Committee A in 1968, reflected the development of Association standards and procedures as set forth in the 1961* Statement on Recruitment and Resignation of Faculty Members, *the 1964* Statement on the Standards for Notice of Nonreappointment, *and the 1966* Statement on Government of Colleges and Universities.

The current revision, approved by Committee A in 1972, is based upon the Association's continuing experience in evaluating regulations actually in force at particular institutions. The 1972 revision is also based upon further definition of the standards and procedures of the Association as set forth in the 1970 Interpretive Comments *of the 1940* Statement of Principles, *the 1971 Council* Statement on Freedom and Responsibility, *the 1971* Statement on Procedural Standards in the Renewal or Nonrenewal of Faculty Appointments, *the 1972* Statement of Principles on Leaves of Absence, *and recommended procedure adopted by the Council [of the A.A.U.P.] in 1976 on* Termination of Faculty Appointments because of Financial Exigency, Discontinuance of a Program or Department, or Medical Reasons.

Foreword

These regulations are designed to enable the [named institution] to protect academic freedom and tenure and the requirements of academic due process. The principles implicit in these regulations are for the benefit of all who are involved with or are affected by the policies and programs of the institution. A college or university is a marketplace of ideas, and it cannot fulfill its purposes of transmitting, evaluating, and extending knowledge if it requires conformity with any orthodoxy of content and method. In the words of the United States Supreme Court, "Teachers and students must always remain free to inquire, to study and to evaluate, to gain new maturity and understanding; otherwise our civilization will stagnate and die."

1. *Statement of Terms of Appointment*

(a) The terms and conditions of every appointment to the faculty will be stated or confirmed in writing, and a copy of the appointment document will be supplied to the faculty member. Any subsequent extensions or modifications of an appointment, and any special understandings, or any notices incumbent upon either party to provide, will be stated or confirmed in writing and a copy will be given to the faculty member.

(b) With the exception of special appointments clearly limited to a brief association with the institution, and reappointments of retired faculty members on special conditions, all full-time appointments to the rank of instructor or higher are of two kinds: (1) probationary appointments; (2) appointments with continuous tenure.

(c) Except for faculty members who have tenure status, every person with a teaching or research appointment of any kind will be informed each year in writing of his appointment and of all matters relative to his eligibility for the acquisition of tenure.

2. *Probationary Appointments*

(a) Probationary appointments may be for one year, or for other stated periods, subject to renewal. The total period of full-time service prior to the acquisition of continuous tenure will not exceed ____ years,[1] including all previous full-time service with the rank of instructor or higher in other institutions of higher learning, [*except* that the probationary period may extend to as much as four years, even if the total full-time service in the profession thereby exceeds seven years; the terms of such extension will be stated in writing at the time of initial appointment.][2] Scholarly leave of absence for one year or less will count as part of the probationary period as if it were prior service at another institution, unless the individual and the institution agree in writing to an exception to this provision at the time the leave is granted.

(b) The faculty member will be advised, at the time of initial appointment, of the substantive standards and procedures generally employed in decisions affecting renewal and tenure. Any special standards adopted by the faculty member's department or school will also be brought to his attention. The faculty member will be advised of the time when decisions affecting renewal or tenure are ordinarily made, and will be given the opportunity to submit material which he believes will be helpful to an adequate consideration of his circumstances.

(c) Regardless of the stated term or other provisions of any appointments, written notice that a probationary appointment is not to be renewed will be given to the faculty member in advance of the expiration of his appointment, as follows:

(1) Not later than March 1 of the first academic year of service if the appointment expires at the end of that year; or, if a one-year appointment terminates during an academic year, at least three months in advance of its termination; (2) not later than December 15 of the second academic year of service if the appointment expires at the end of that year; or, if an initial two-year appointment terminates during an academic year, at least six months in advance of its termination; 3) at least twelve months before the expiration of an ap-

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[1] [Under the 1940 *Statement of Principles on Academic Freedom and Tenure*, this period may not exceed seven years.]

[2] [The exception here noted applies only to an institution whose maximum probationary period exceeds four years.]

pointment after two or more years of service at the institution. The institution will normally notify faculty members of the terms and conditions of their renewals by March 15, but in no case will such information be given later than ______.[3]

(d) When a faculty recommendation or a decision not to renew an appointment has first been reached, the faculty member involved will be informed of that recommendation or decision in writing by the body or individual making the initial recommendation or decision, and, if he so requests, he will be advised of the reasons which contributed to that decision. The faculty member may request a reconsideration by the recommending or deciding body.

(e) If the faculty member so requests, the reasons given in explanation of the nonrenewal will be confirmed in writing.

(f) Insofar as the faculty member alleges that the decision against renewal by the appropriate faculty body was based on inadequate consideration, the committee which reviews the faculty member's allegation will determine whether the decision was the result of adequate consideration in terms of the relevant standards of the institution. The review committee will not substitute its judgment on the merits for that of the faculty body. If the review committee believes that adequate consideration was not given to the faculty member's qualifications, it will request reconsideration by the faculty body, indicating the respects in which it believes the consideration may have been inadequate. It will provide copies of its findings to the faculty member, the faculty body, and the president or other appropriate administrative officer.

3. *Termination of Appointment by the Faculty Member*

A faculty member may terminate his appointment effective at the end of an academic year, provided that he gives notice in writing at the earliest possible opportunity, but not later than May 15, or 30 days after receiving notification of the terms of his appointment for the coming year, whichever date occurs later. The faculty member may properly request a waiver of this requirement of notice in case of hardship or in a situation where he would otherwise be denied substantial professional advancement or other opportunity.

4. *Termination of Appointments by the Institution*

(a) Termination of an appointment with continuous tenure, or of a special or probationary appointment before the end of the specified term, may be effected by the institution only for adequate cause.

(b) If termination takes the form of a dismissal for cause, it will be pursuant to the procedure specified in Regulation 5.

Financial Exigency

(c) (1) Termination of an appointment with continuous tenure, or of a probationary or special appointment before the end of the specified term, may occur under extraordinary circumstances because of a demonstrably *bona fide* financial exigency, i.e., an imminent financial crisis which threatens the survival of the institution as a whole and which cannot be alleviated by less drastic means.

[NOTE: Each institution in adopting regulations on financial exigency will need to decide how to share and allocate the hard judgments and decisions that are necessary in such a crisis.

As a first step, there should be a faculty body which participates in the decision that a condition of financial exigency exists or is imminent,[4] and that all feasible alternatives to termination of appointments have been pursued.

Judgments determining where within the overall academic program termination of appointments may occur involve considerations of educational policy, including affirmative action, as well as of faculty status, and should therefore be the primary responsibility of the faculty or of an appropriate faculty body.[5] The faculty or an appropriate faculty body should also exercise primary responsibility in determining the criteria for identifying the individuals whose appointments are to be terminated. These criteria may appropriately include considerations of age and length of service.

The responsibility for identifying individuals whose appointments are to be terminated should be committed to a person or group designated or approved by the faculty. The allocation of this responsibility may vary according to the size and character of the institution, the extent of the terminations to be made, or other considerations of fairness in judgment. The case of a faculty member given notice of proposed termination of appointment will be governed by the following procedure.]

(2) If the administration issues notice to a particular faculty member of an intention to terminate the appointment because of financial exigency, the faculty member will have the right to a full hearing before a faculty committee. The hearing need not conform in all respects with a proceeding conducted pursuant to Regulation 5, but the essentials of an on-the-record adjudicative hearing will be observed. The issues in this hearing may include:

(i) The existence and extent of the condition of financial exigency. The burden will rest on the administration to prove the existence and extent of the condition. The findings of a faculty committee in a previous proceeding involving the same issue may be introduced.

(ii) The validity of the educational judgments and the criteria for identification for termination; but the recommendations of a faculty body on these matters will be considered presumptively valid.

(iii) Whether the criteria are being properly applied in the individual case.

(3) If the institution, because of financial exigency, terminates appointments, it will not at the same time make new appointments except in extraordinary circumstances where a serious distortion in the academic program would otherwise result. The appointment of a faculty member with tenure will not be terminated in favor of retaining a faculty member without tenure, except in extraordinary circumstances where a serious distortion of the academic program would otherwise result.

(4) Before terminating an appointment because of financial exigency, the institution, with faculty participation, will make every effort to place the faculty member concerned in another suitable position within the institution.

(5) In all cases of termination of appointment because of financial exigency, the faculty

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[3] [April 15 is the recommended date.]

[4] See "The Role of the Faculty in Budgetary and Salary Matters," (*AAUP Bulletin*, 58 [Summer, 1972], pp. 170-72)

[5] See "Statement on Government of Colleges and Universities" (*AAUP Bulletin*, 52 [Winter, 1966], pp. 375-79)

member concerned will be given notice or severance salary not less than as prescribed in Regulation 8.

(6) In all cases of termination of appointment because of financial exigency, the place of the faculty member concerned will not be filled by a replacement within a period of three years, unless the released faculty member has been offered reinstatement and a reasonable time in which to accept or decline it.

Discontinuance of Program or Department Not Mandated by Financial Exigency[6]

(d) Termination of an appointment with continuous tenure, or of a probationary or specified appointment before the end of the specified term, may occur as a result of *bona fide* formal discontinuance of a program or department of instruction. The following standards and procedures will apply.

(1) The decision to discontinue formally a program or department of instruction will be based essentially upon educational considerations, as determined primarily by the faculty as a whole or an appropriate committee thereof.

[NOTE: "Educational considerations" do not include cyclical or temporary variations in enrollment. They must reflect long-range judgments that the educational mission of the institution as a whole will be enhanced by the discontinuance.]

(2) Before the administration issues notice to a faculty member of its intention to terminate an appointment because of formal discontinuance of a program or department of instruction, the institution will make every effort to place the faculty member concerned in another suitable position. If placement in another position would be facilitated by a reasonable period of training, financial and other support for such training will be proffered. If no position is available within the institution, with or without retraining, the faculty member's appointment then may be terminated, but only with provision for severance salary equitably adjusted to the faculty member's length of past and potential service.

[NOTE: When an institution proposes to discontinue a program or department of instruction, it should plan to bear the costs of relocating, training, or otherwise compensating faculty members adversely affected.]

(3)A faculty member may appeal a proposed relocation or termination resulting from a discontinuance and has a right to a full hearing before a faculty committee. The hearing need not conform in all respects with a proceeding conducted pursuant to Regulation 5 but the essentials of an on-the-record adjudicative hearing will be observed. The issues in such a hearing may include the institution's failure to satisfy any of the conditions specified in this section. In such a hearing a faculty determination that a program or department is to be discontinued will be considered presumptively valid, but the burden of proof on other issues will rest on the administration.

Termination for Medical Reasons

(e) Termination of an appointment with tenure, or of a probationary or special appointment before the end of the period of appointment, for medical reasons, will be based upon clear and convincing medical evidence that the faculty member cannot continue to fulfill the terms and conditions of the appointment. The decision to terminate will be reached only after there has been appropriate consultation and after the faculty member concerned, or someone representing the faculty member, has been informed of the basis of the proposed action and has been afforded an opportunity to present the faculty member's position and to respond to the evidence. If the faculty member so requests, the evidence will be reviewed by the Faculty Committee on Academic Freedom and Tenure [or whatever title it may have] before a final decision is made by the governing board on the recommendation of the administration. The faculty member will be given severance salary not less than as prescribed in Regulation 8.

Review

(f) In cases of termination of appointment, the governing board will be available for ultimate review.

5. *Dismissal Procedures*

(a) Adequate cause for a dismissal will be related, directly and substantially, to the fitness of the faculty member in his professional capacity as a teacher or researcher. Dismissal will not be used to restrain faculty members in their exercise of academic freedom or other rights of American citizens.

(b) Dismissal of a faculty member with continuous tenure, or with a special or probationary appointment before the end of the specified term, will be preceded by: (1) discussions between the faculty member and appropriate administratve officers looking toward a mutual settlement; (2) informal inquiry by the duly elected faculty committee [insert name of committee] which may, failing to effect an adjustment, determine whether in its opinion dismissal proceedings should be undertaken, without its opinion being binding upon the President; (3) a statement of charges, framed with reasonable particularity by the President or the President's delegate.

(c) A dismissal, as defined in Regulation 5(a), will be preceded by a statement of reasons, and the individual concerned will have the right to be heard initially by the elected faculty hearing committee [insert name of committee].[7] Members deeming themselves disqualified for bias or interest shall remove themselves from the case, either at the request of a party or on their own initiative. Each party will have a maximum of two challenges without stated cause.[8]

(1) Pending a final decision by the hearing committee, the faculty member will be suspended, or assigned to other duties in lieu of suspension, only if immediate harm to himself or others is threatened by his continuance. Before suspending a faculty member, pending an ultimate determination of his status through the institution's hearing procedures, the administration will consult with the Faculty Committee on Academic Freedom and Tenure [or whatever other title it may have] concerning the propriety, the length, and the other conditions of the suspension. A suspension which is intended to be final is a dismissal, and will be treated as such. Salary will continue during the period of the suspension.

(2) The hearing committee may, with the consent of the parties concerned, hold joint

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[6] When discontinuace of a program or department is mandated by financial exigency of the institution, the standards of section 4(c) above will apply.

[7] [This committee should not be the same as the committee referred to in Regulation 5(b) (2).]

[8] [Regulations of the institution should provide for alternates, or for some other method of filling vacancies on the hearing committee resulting from disqualification, challenge without stated cause, illness, resignation, or any other reason.]

prehearing meetings with the parties in order to (i) simplify the issues, (ii) effect stipulations of facts, (iii) provide for the exchange of documentary or other information, and (iv) achieve such other appropriate pre-hearing objectives as will make the hearing fair, effective, and expeditious.

(3) Service of notice of hearing with specific charges in writing will be made at least twenty days prior to the hearing. The faculty member may waive a hearing or may respond to the charges in writing at any time before the hearing. If the faculty member waives a hearing, but denies the charges against him or asserts that the charges do not support a finding of adequate cause, the hearing tribunal will evaluate all available evidence and rest its recommendation upon the evidence in the record.

(4) The committee, in consultation with the President and the faculty member, will exercise its judgment as to whether the hearing should be public or private.

(5) During the proceedings the faculty member will be permitted to have an academic advisor and counsel of his own choice.

(6) At the request of either party or the hearing committee, a representative of a responsible educational association shall be permitted to attend the proceedings as an observer.

(7) A verbatim record of the hearing or hearings will be taken and a typewritten copy will be made available to the faculty member without cost, at the faculty member's request.

(8) The burden of proof that adequate cause exists rests with the institution and shall be satisfied only by clear and convincing evidence in the record considered as a whole.

(9) The hearing committee will grant adjournments to enable either party to investigate evidence as to which a valid claim of surprise is made.

(10) The faculty member will be afforded an opportunity to obtain necessary witnesses and documentary or other evidence. The administration will cooperate with the hearing committee in securing witnesses and making available documentary and other evidence.

(11) The faculty member and the administration will have the right to confront and cross-examine all witnesses. Where the witnesses cannot or will not appear, but the committee determines that the interests of justice require admission of their statements, the committee will identify the witnesses, disclose their statements, and if possible provide for interrogatories.

(12) In the hearing of charges of incompetence, the testimony shall include that of qualified faculty members from this or other institutions of higher education.

(13) The hearing committee will not be bound by strict rules of legal evidence, and may admit any evidence which is of probative value in determing the issues involved. Every possible effort will be made to obtain the most reliable evidence available.

(14) The findings of fact and the decision will be based solely on the hearing record.

(15) Except for such simple announcements as may be required, covering the time of the hearing and similar matters, public statements and publicity about the case by either the faculty member or administrative officers will be avoided so far as possible until the proceedings have been completed, including consideration by the governing board of the institution. The President and the faculty member will be notified of the decision in writing and will be given a copy of the record of the hearing.

(16) If the hearing committee concludes that adequate cause for dismissal has not been established by the evidence in the record, it will so report to the President. If the President rejects the report, he will state his reasons for doing so, in writing, to the hearing committee and to the faculty member, and provide an opportunity for response before transmitting the case to the governing board.

If the hearing committee concludes that adequate cause for a dismissal has been established, but that an academic penalty less than dismissal would be more appropriate, it will so recommend, with supporting reasons.

6. *Action by the Governing Board*

If dismissal or other severe sanction is recommended, the President will, on request of the faculty member, transmit to the governing board the record of the case. The governing board's review will be based on the record of the committee hearing, and it will provide opportunity for argument, oral or written or both, by the principals at the hearings or by their representatives. The decision of the hearing committee will either be sustained, or the proceeding returned to the committee with specific objections. The committee will then reconsider, taking into account the stated objections and receiving new evidence if necessary. The governing board will make a final decison only after study of the committee's reconsideration.

7. *Procedures for Imposition of Sanctions Other than Dismissal*

(a) If the administration believes that the conduct of a faculty member, although not constituting adequate cause for dismissal, is sufficiently grave to justify imposition of a severe sanction, such as suspension from service for a stated period, the administration may institute a proceeding to impose such a severe sanction; the procedures outlined in Regulation 5 shall govern such a proceeding.

(b) If the administration believes that the conduct of a faculty member justifies imposition of a minor sanction, such as a reprimand, it shall notify the faculty member of the basis of the proposed sanction and provide him with an opportunity to persuade the administration that the proposed sanction should not be imposed. A faculty member who believes that a major sanction has been incorrectly imposed under this paragraph, or that a minor sanction has been unjustly imposed, may, pursuant to Regulation 15, petition the faculty grievance committee for such action as may be appropriate.

8. *Terminal Salary or Notice*

If the appointment is terminated, the faculty member will receive salary or notice in accordance with the following schedule: at least three months, if the final decision is reached by March 1 (or three months prior to the expiration) of the first year of probationary service; at least six months, if the decision is reached by December 15 of the second year (or after nine months but prior to eighteen months) of probationary service; at least one year, if the decision is reached after eighteen months of probationary service or if the faculty member has tenure. This provision for terminal notice or salary need not apply in the event that there has been a finding that the conduct which justified dismissal involved moral turpitude. On the recommendation of the faculty hearing committee or the President, the governing board, in determining what, if any, payments will be made beyond the effective date of dismissal, may take into account the length and quality of service of the faculty member.

9. *Academic Freedom*

All members of the faculty, whether tenured or not, are entitled to academic freedom as set forth in the 1940 *Statement of Principles on Academic Freedom and Tenure*, formulated by the Association of American Colleges and the American Association of University Professors.

10. *Reappointment of Nontenured Faculty*

If a faculty member on probationary or other nontenured appointment alleges that a decision not to reappoint him was based significantly on considerations violative of (1) academic freedom or (2) governing policies on making appointments without prejudice with respect to race, sex, religion, or national origin, the allegation will be given preliminary consideration by the [insert name of committee], which will seek to settle the matter by informal methods. The allegation shall be accompanied by a statement that the faculty member agrees to the presentation, for the consideration of the faculty committees, of such reasons and evidence as the institution may allege in support of its decision. If the difficulty is unresolved at this stage, and if the committee so recommends, the matter will be heard in the manner set forth in Regulations 5 and 6, except that the faculty member making the complaint is responsible for stating the grounds upon which he bases his allegations, and the burden of proof shall rest upon him. If the faculty member succeeds in establishing a *prima facie* case, it is incumbent upon those who made the decision not to reappoint him to come forward with evidence in support of their decision.

11. *Administrative Personnel*

The foregoing regulations apply to administrative personnel who hold academic rank, but only in their capacity as faculty members. Where an administrator alleges that a consideration violative of academic freedom significantly contributed to a decision to terminate his appointment to an administrative post, or not to reappoint him, he is entitled to the procedures set forth in Regulation 10.

12. *Political Activities of Faculty Members*

Faculty members, as citizens, are free to engage in political activities. Where necessary, leaves of absence may be given for the duration of an election campaign or a term of office, on timely application, and for a reasonable period of time. The terms of such leave of absence shall be set forth in writing, and the leave will not affect unfavorably the tenure status of a faculty member, except that time spent on such leave will not count as probationary service unless otherwise agreed to.[9]

[NOTE. Regulations 13, 14, and 15 are suggested in tentative form, and will require adaptation to the specific structure and operations of the institution; the provisions as recommended here are intended only to indicate the nature of the provisions to be included, and not to offer specific detail.]

13. *Graduate Student Academic Staff*

(a) The terms and conditions of every appointment to a graduate or teaching assistantship will be stated in writing, and a copy of the appointment document will be supplied to the graduate or teaching assistant.

(b) In no case will a graduate or teaching assistant be dismissed without having been provided with a statement of reasons and an opportunity to be heard before a duly constituted committee. (A dismissal is a termination before the end of the period of appointment.)

(c) A graduate or teaching assistant who establishes a *prima facie* case to the satisfaction of a duly constituted committee that a decision not to reappoint him was based significantly on considerations violative of (1) academic freedom or (2) governing policies on making appointments without prejudice with respect to race, sex, religion, or national origin, will be given a statement of reasons by those responsible for the nonreappointment and an opportunity to be heard by the committee.

(d) Graduate or teaching assistants shall have access to the faculty grievance committee, as provided in Regulation 15.

14. *Other Academic Staff*

(a) In no case will a member of the academic staff[10] who is not otherwise protected by the preceding regulations which relate to dismissal proceedings be dismissed without having been provided with a statement of reasons and an opportunity to be heard before a duly constituted committee. (A dismissal is a termination before the end of the period of appointment.)

(b) With respect to the nonreappointment of a member of such academic staff who establishes a *prima facie* case to the satisfaction of a duly constituted committee that a consideration violative of academic freedom significantly contributed to the nonreappointment, he will be given a statement of reasons by those responsible for the nonreappointment and an opportunity to be heard by the committee.

15. *Grievance Procedure*

If any faculty member feels that he has cause for grievance in any matter not covered by the procedures described in the foregoing Regulations, he may petition the elected faculty grievance committee [here name the committee] for redress. The petition shall set forth in detail the nature of the grievance and shall state against whom the grievance is directed. It shall contain any factual or other data which the petitioner deems pertinent to his case. The committee will have the right to decide whether or not the facts merit a detailed investigation. Submission of a petition will not automatically entail investigation or detailed consideration thereof. The committee may seek to bring about a settlement of the issue satisfactory to the parties. If in the opinion of the committee such a settlement is not possible or is not appropriate, the committee will report its findings and recommendations to the petitioner and to the appropriate administrative officer and faculty body, and the petitioner will, at his request, be provided an opportunity to present his case to them. The grievance committee will consist of three [or some other number] elected members of the faculty. No officer of administration shall serve on the committee.

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[9] [See "Statement on Professors and Political Activity," *AAUP Bulletin*, Autumn, 1969, pp. 388-389.]

[10] [Each institution should define with particularity who are members of the academic staff.]

Note on Implementation

The Recommended Institutional Regulations here presented will require for their implementation a number of structural arrangements and agencies. For example, the Regulations will need support by:

(a) Channels of communication between all the involved components of the institution, and between them and a concerned faculty member,

(b) definitions of corporate and individual faculty status within the college or university government, and of the role of the faculty in decisions relating to academic freedom and tenure,

(c) appropriate procedures for the creation and operation of faculty committees, with particular regard to the principles of faculty authority and responsibility.

The forms which these supporting elements assume will of course vary from one institution to another. Consequently, no detailed description of the elements is attempted in the Recommended Institutional Regulations. With repect to the principles involved, guidance will be found in the 1966 *Statement on Government of Colleges and Universities*, jointly formulated by the American Council on Education, the Association of Governing Boards of Universities and Colleges, and the American Association of University Professors.

The Constitution of the United States

We, the people of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common Defense, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

Article I

Section 1. All legislative Powers herein granted shall be vested in a Congress of the United States, which shall consist of a Senate and House of Representatives.

Section 2. The House of Representatives shall be composed of members chosen every second Year by the People of the several States, and the Electors in each State shall have the Qualifications requisite for Electors of the most numerous Branch of the State Legislature.

No person shall be a Representative who shall not have attained to the age of twenty-five Years, and been seven Years a Citizen of the United States, and who shall not, when elected, be an inhabitant of that State in which he shall be chosen.

Representatives and direct Taxes shall be apportioned among the several States which may be included within this Union, according to their respective Numbers, which shall be determined by adding to the whole Number of free Persons, including those bound to Service for a Term of Years, and excluding Indians not taxed, three-fifths of all other Persons. The actual Enumeration shall be made within three Years after the first meeting of the Congress of the United States, and within every subsequent term of ten years, in such manner as they shall by law direct. The Number of representatives shall not exceed one for every thirty Thousand, but each State shall have at Least one Representative; and until such Enumeration shall be made, the State of New Hampshire shall be entitled to chuse three, Massachusetts eight, Rhode-Island and Providence Plantations one, Connecticut five, New-York six, New-Jersey four, Pennsylvania eight, Delaware one, Maryland six, Virginia ten, North Carolina five, South Carolina five, and Georgia three.

When vacancies happen in the Representation from any State, the Executive Authority thereof shall issue Writs of Election to fill such Vacancies.

The House of Representatives shall chuse their Speaker and other Officers; and shall have the sole Power of Impeachment.

Section 3. The Senate of the United States shall be composed of two Senators from each State, chosen by the Legislature thereof for six Years: and each Senator shall have one Vote.

Immediately after they shall be assembled in Consequence of the first Election, they shall be divided as equally as may be into three Classes. The Seats of the Senators of the first Class shall be Vacated at the expiration of the second year, of the second Class at the Expiration of the fourth Year, and of the third Class at the Expiration of the sixth Year, so that one-third may be chosen every second Year; and if Vacancies happen by Resignation, or otherwise, during the recess of the Legislature of any State, the Executive thereof may make temporary Appointments until the next Meeting of the Legislature, which shall then fill such Vacancies.

No Person shall be a Senator who shall not have attained to the Age of thirty Years, and been nine Years a Citizen of the United States, and who shall not, when elected, be an Inhabitant of that State for which he shall be chosen.

The Vice-President of the United States shall be President of the Senate, but shall have no vote, unless they be equally divided.

The Senate shall chuse their other Officers, and also a President pro tempore, in the absence of the Vice-President, or when he shall exercise the office of President of the United States.

The Senate shall have the sole power to try all impeachments. When sitting for that purpose, they shall be on oath or affirmation. When the President of the United States is tried, the Chief Justice shall preside: and no Person shall be convicted without the Concurrence of two thirds of the Members present.

Judgment in Cases of Impeachment shall not extend further than to removal from Office, and disqualification to hold and enjoy any Office of Honor, Trust or Profit under the United States; but the Party convicted shall nevertheless be liable and subject to Indictment, Trial, Judgment and Punishment, according to law.

Section 4. The Times, Places and Manner of holding Elections for Senators and Representatives, shall be prescribed in each State by the Legislature thereof; but the Congress may at any time by Law make or alter such Regulations, except as to the Places of chusing Senators.

The Congress shall assemble at least once in every Year, and such Meeting shall be on the first Monday in December, unless they shall by Law appoint a different day.

Section 5. Each House shall be the Judge of the Elections, Returns and Qualification of its own Members, and a Majority of each shall constitute a Quorum to do Business; but a smaller Number may adjourn from day to day, and may be authorized to compel the Attendance of absent Members, in such Manner, and under such Penalties as each House may provide.

Each House may determine the Rules of its Proceedings, punish its Members for disorderly Behavior, and, with the Concurrence of two thirds, expel a Member.

Each House shall keep a Journal of its Proceedings, and from time to time to publish the same, excepting such Parts as may in their Judgment require Secrecy; and the Yeas and Nays of the Members of either House on any question shall, at the Desire of one fifth of those Present, be entered on the Journal.

Neither House, during the Session of Congress, shall, without the Consent of the other, adjourn for more than three days, nor to any other place than that in which the two Houses shall be sitting.

Section 6. The Senators and Representatives shall receive a Compensation for their Services, to be ascertained by Law, and paid out of the Treasury of the United States. They shall in all Cases, except Treason, Felony and Breach of the Peace, be privileged from Arrest during their Attendance at the Session of their respective Houses, and in going to and returning from the same; and for any Speech or Debate in either House, they shall not be questioned in any other Place.

No Senator or Representative shall, during the Time for which he was elected, be appointed to any civil Office under the Authority of the United States which shall have been created, or the Emoluments whereof shall have been encreased during such time; and no Person holding any Office under the United States, shall be a Member of either House during his Continuance in Office.

Section 7. All Bills for raising Revenue shall originate in the House of Representatives; but the Senate may propose or concur with Amendments as on other Bills.

Every Bill which shall have passed the House of Representatives and the Senate, shall, before it become a Law, be presented to the President of the United States; if he approve he shall sign it, but if not he shall return it, with his Objections to that House in which it shall have originated, who shall enter the Objections at large on their Journal, and proceed to reconsider it. If after such reconsideration two-thirds of that House shall agree to pass the Bill, it shall be sent, together with the Objections, to the other House, by which it shall likewise be reconsidered, and if approved by two-thirds of that House, it shall become a Law. But in all such Cases the Votes of both Houses shall be determined by Yeas and Nays, and the Names of the Persons voting for and against the bill shall be entered on the Journal of each House respectively. If any Bill shall not be returned by the President within ten Days (Sundays excepted) after it shall have been presented to him, the same shall be a Law, in like manner as if he had signed it, unless the Congress by their adjournment prevent its return, in which Case it shall not be a Law.

Every Order, Resolution, or Vote to which the Concurrence of the Senate and House of Representatves may be necessary (except on a question of Adjournment) shall be presented to the President of the United States; and before the Same shall take Effect, shall be approved by him, or, being disapproved by him, shall be repassed by two thirds of the Senate and House of Representatives, according to the Rules and Limitations prescribed in the Case of a Bill.

Section 8. The Congress shall have Power

To lay and collect Taxes, Duties, Imposts and Excises, to pay the Debts and provide for the common Defense and general Welfare of the United States; but all Duties, Imposts and Excises shall be uniform throughout the United States;

To borrow Money on the Credit of the United States;

To regulate Commerce with foreign Nations, and among the several States, and with the Indian Tribes;

To establish an uniform Rule of Naturalization, and uniform Rules on the Subject of Bankruptcies throughout the United States;

To coin Money, regulate the Value thereof, and of foreign Coin, and fix the Standard of Weights and Measures;

To provide for the Punishment of counterfeiting the Securites and Current Coin of the United States;

To establish Post Offices and post Roads;

To promote the Progress of Science and useful Arts, by securing for Limited Times to Authors and Inventors the exclusive Right to their respective Writings and Discoveries;

To constitute Tribunals inferior to the Supreme Court;

To define and punish Piracies and Felonies committed on the high Seas, and Offenses against the Law of Nations;

To declare War, grant Letters of Marque and Reprisal, and make Rules concerning captures on Land and Water;

To raise and support Armies, but no Appropriation of Money to that use shall be for a longer Term than two Years;

To provide and maintain a Navy;

To make Rules for the Government and Regulation of the Land and naval Forces;

To provide for calling forth the Militia to execute the Laws of the Union, suppress Insurrections and repel Invasions;

To provide for organizing, arming and disciplining the Militia, and for governing such part of them as may be employed in the service of the United States, reserving to the States repectively, the Appointment of the Officers and the Authority of training the Militia according to the discipline prescribed by Congress;

To exercise exclusive Legislation in all Cases whatsoever, over such District (not exceeding ten Miles square) as may, by Cession of particular States, and the Acceptance of Congress, become the Seat of the Government of the United States, and to exercise like Authority over all Places purchased by the Consent of the Legislature of the States in which the Same shall be, for the Erection of Forts, Magazines, Arsenal, dock-Yards, and other needful Buildings;—And

To make all Laws which shall be necessary and proper for carrying into Execution the foregoing Powers, and all other Powers vested by this Constitution in the Government of the United States, or in any Department or Officer thereof.

Section 9. The Migration or Importation of such Persons as any of the States now existing shall think proper to admit, shall not be prohibited by the Congress prior to the Year one thousand eight hundred and eight, but a Tax or duty may be imposed on such Importation, not exceeding ten dollars for each Person.

The Privilege of the Writ of Habeas Corpus shall not be suspended, unless when in Cases of Rebellion or Invasion the public Safety may require it.

No Bill of Attainder or ex post facto Law shall be passed.

No Capitation, or other direct Tax shall be laid, unless in Proportion to the Census or Enumeration herein before directed to be taken.

No Tax or Duty shall be laid on Articles exported from any State.

No Preference shall be given by any Regulation of Commerce or Revenue to the Ports of one State over those of another: nor shall Vessels bound to, or from one State, be obliged to enter, clear, or pay Duties in another.

No Money shall be drawn from the Treasury, but in Consequence of Appropriations made by law; and a regular statement and account of the receipts and expenditures of all public money shall be published from time to time.

No Title of Nobility shall be granted by the United States:—And no Person holding any Office of Profit or Trust under them, shall, without the Consent of the Congress, accept of any present, Emolument, Office, or Title, of any kind whatever, from any King, Prince, or foreign State.

Section 10. No State shall enter in into any Treaty, Alliance, or Confederation; grant Letters of Marque and Reprisal; coin Money; emit Bills of Credit; make anything but gold and silver Coin a Tender in Payment of Debts; pass any Bill of Attainder, ex post facto Law, or Law impairing the Obligation of Contracts, or grant any Title of Nobility.

No State shall, without the Consent of the Congress, lay any imposts or Duties on Imports or Exports, except what may be absolutely necessary for executing its inspection Laws; and the net Produce of all Duties and Imposts, laid by any State on Imports or Exports, shall be for the use of the Treasury of the United States; and all such Laws shall be subject to the Revision and Controul of the Congress.

No State shall, without the Consent of Congress, lay any Duty on Tonnage, keep Troops, or Ships of War in time of Peace, enter into any Agreement or Compact with another State, or with a foreign Power, or engage in War, unless actually invaded, or in such imminent Danger as will not admit of delay.

Article II

Section 1. The Executive power shall be vested in a President of the United States of America. He shall hold his Office during the Term of four Years, and, together with the Vice-President, chosen for the same term, be elected, as follows.

Each State shall appoint, in such Manner as the Legislature thereof may direct, a Number of Electors, equal to the whole Number of Senators and Representatives to which the State may be entitled in the Congress: but no Senator or Representative, or Person holding an Office of Trust or Profit under the United States, shall be appointed an Elector.

The electors shall meet in their respective States, and vote by Ballot for two Persons, of whom one at least shall not be an Inhabitant of the same State with themselves. And they shall make a List of all the Persons voted for, and of the number of Votes for each; which List they shall sign and certify, and transmit sealed to the Seat of the Government of the United States, directed to the President of the Senate. The President of the Senate shall, in the Presence of the Senate and House of Representatives, open all the Certificates, and the Votes shall then be counted. The Person having the greatest Number of Votes shall be the President, if such Number be a Majority of the whole Number of Electors appointed; and if there be more than one who have such Majority, and have an equal Number of Votes, then the House of Representatives shall immediately chuse by Ballot one of them for President; and if no Person have a Majority, then from the five highest on the List the said House shall in like manner chuse the President. But in chusing the President, the Votes shall be taken by States, the Representation from each State having one Vote; a Quorum for this Purpose shall consist of a Member or Members from two-thirds of the States, and a Majority of all the States shall be necessary to a Choice. In every Case, after the Choice of the President, the Person having the greatest Number of Votes of the Electors shall be the Vice-President. But if there should remain two or more who have equal Votes, the Senate shall chuse from them by Ballot the Vice-President.

The Congress may determine the Time of chusing the Electors, and the Day on which they shall give their Votes; which Day shall be the same throughout the United States.

No Person except a natural born Citizen, or a Citizen of the United States, at the time of the Adoption of this Constitution, shall be eligible to the office of President; neither shall any Person be eligible to that Office who shall not have attained to the Age of thirty-five Years, and been fourteen Years a Resident within the United States.

In Case of the removal of the President from Office, or of his Death, Resignation, or Inability to discharge the Powers and Duties of the said Office, the same shall devolve on the Vice-President, and the Congress may by Law provide for the Case of Removal, Death, Resignation or Inability, both of the President and Vice-President, declaring what Officer shall then act as President, and such Officer shall act accordingly, until the Disability be removed, or a President be elected.

The President shall, at stated Times, receive for his Services, a Compensation, which shall neither be increased nor diminished during the Period for which he shall have been elected, and he shall not receive within that Period any other Emolument from the United States, or any of them.

Before he enter on the Execution of his Office, he shall take the following Oath or Affirmation:—"I do solemnly swear (or affirm) that I will faithfully execute the Office of President of the United States, and will to the best of my Ability, preserve, protect and defend the Constitution of the United States."

Section 2. The President shall be Commander-in-Chief of the Army and Navy of the United States, and of the militia of the several States, when called into the actual Service of the United States; he may require the Opinion, in Writing, of the Principal Officer in each of the executive Departments, upon any Subject relating to the Duties of their respective Offices, and he shall have Power to grant Reprieves and Pardons for Offenses against the United States, except in cases of Impeachment.

He shall have Power, by and with the Advice and Consent of the Senate, to make treaties, provided two-thirds of the Senators present concur; and he shall nominate, and by and with the Advice and Consent of the Senate, shall appoint Ambassadors, other public Ministers and Consuls, Judges of the Supreme Court, and all other Officers of the United States, whose appointments are not herein otherwise provided for, and which shall be established by Law. But the Congress may by Law vest the Appointment of such inferior Officers, as they think proper, in the President alone, in the courts of law, or in the Heads of Departments.

The President shall have Power to fill up all Vacancies that may happen during the Recess of the Senate, by granting Commissions, which shall expire at the End of their next Session.

Section 3. He shall from time to time give to the Congress Information of the State of the Union, and recommend to their Consideration such Measures as he shall judge necessary and expedient; he may, on extraordinary Occasions, convene both Houses, or either of them, and in Case of Disagreement between them, with Respect to the Time of Adjournment, he may adjourn them to such Time as he shall think proper; he shall receive Ambassadors and other public Ministers; he shall take care that the Laws be faithfully executed, and shall commission all the Officers of the United States.

Section 4. The President, Vice-President and all civil Officers of the United States, shall be removed from Office on Impeachment for, and Conviction of, Treason, Bribery, or other high Crimes and Misdemeanors.

Article III

Section 1. The judicial Power of the United States, shall be vested in one Supreme Court, and in such inferior Courts as the Congress may from time to time ordain and establish. The Judges, both of the Supreme and inferior Courts, shall hold their Offices during good Behaviour, and shall, at stated Times, receive for their Services, a Compensation, which shall not be diminished during their Continuance in Office.

Section 2. The judicial Power shall extend to all Cases, in Law and Equity arising under this Constitution, the Laws of the United States, and Treaties made, or which shall be made, under their Authority;—to all Cases affecting Ambassadors, other public Ministers and Consuls;—to all Cases of Admiralty and maritime Jurisdiction;—to Controversies to which the United States shall be a party;—to Controversies between two or more States, between a State and Citizens of another State, between Citizens of different States, between Citizens of the same State claiming Lands under Grants of different States, and between a State, or the Citizens thereof, and foreign States, Citizens, or Subjects.

In all cases affecting Ambassadors, other public Ministers and Consuls, and those in which a State shall be a Party, the Supreme Court shall have original Jurisdiction. In all the other Cases before mentioned, the Supreme Court shall have appellate Jurisdiction, both as to Law and Fact, with such Exceptions, and under such Regulations as the Congress shall make.

The Trial of all Crimes, except in Cases of Impeachment, shall be by Jury; and such Trial shall be held in the State where the said Crimes shall have been committed; but when not committed within any State, the Trial shall be at such Place or Places as the Congress may by Law have directed.

Section 3. Treason against the United States, shall consist only in levying War against them, or in adhering to their Enemies, giving them Aid and Comfort. No Person shall be convicted of Treason unless on the Testimony of two Witnesses to the same overt Act, or on Confession in open Court.

The Congress shall have Power to declare the Punishment of Treason, but no attainder of Treason shall work Corruption of Blood, or Forfeiture except during the Life of the Person attainted.

Article IV

Section 1. Full Faith and Credit shall be given in each State to the public Acts, Records, and judicial Proceedings of every other State. And the Congress may by general Laws prescribe the Manner in which such Acts, Records and Proceedings shall be proved, and the Effect thereof.

Section 2. The Citizens of each State shall be entitled to all Privileges and Immunities of Citizens in the Several States.

A Person charged in any State with Treason, Felony, or other Crime, who shall flee from Justice, and be found in another State, shall on demand of the Executive Authority of the State from which he fled, be delivered up, to be removed to the State having Jurisdiction of the Crime.

No Person held to Service or Labour in one State, under the Laws thereof, escaping into another, shall, in Consequence of any Law or Regulation therein, be discharged from such Service or Labour, but shall be delivered up on claim of the party to whom such service or labour may be due.

Section 3. New States may be admitted by the Congress into this Union; but no new State shall be formed or erected within the Jurisdiction of any other State; nor any State be formed by the junction of two or more States, or parts of the States, without the Consent of the Legislatures of the States concerned as well as of the Congress.

The Congress shall have Power to dispose of and make all needful Rules and Regulations respecting the Territory or other Property belonging to the United States; and nothing in this Constitution shall be so construed as to Prejudice any Claims of the United States, or of any particular State.

Section 4. The United States shall guarantee to every State in this Union a Republican form of Government, and shall protect each of them against Invasion; and on Application of the Legislature, or of the Executive (when the Legislature cannot be convened) against domestic Violence.

Article V

The Congress, whenever two-thirds of both Houses shall deem it necessary, shall propose the Amendments to the Constitution, or, on the Application of the Legislature of two-thirds of several States, shall call a Convention for proposing Amendments, which, in either Case, shall be valid to all Intents and Purposes, as part of this Constitution, when ratified by the Legislatures of three-fourths of the several States, or by Conventions in three-fourths thereof, as the one or the other mode of ratification may be proposed by the Congress; Provided, that no amendment which may be made prior to the year one thousand eight hundred and eight shall in any Manner affect the first and fourth Clauses in the Ninth Section of the First Article; and that no State, without its Consent, shall be deprived of its equal Suffrage in the Senate.

Article VI

All Debts contracted and Engagements entered into before the Adoption of this Constitution, shall be as valid against the United States under this Constitution, as under the Confederation.

This Constitution, and the Laws of the United States which shall be made in Pursuance thereof; and all Treaties made, or which shall be made, under the Authority of the United States, shall be the supreme Law of the Land; and the Judges in every State shall be bound thereby, any Thing in the Constitution or Laws of any State to the Contrary notwithstanding.

The Senators and Representatives before mentioned, and the Members of the several State Legislatures, and all executive and judicial Officers, both of the United States and of the several States, shall be bound by Oath or Affirmation, to support this Constitution; but no religious Test shall ever be required as a Qualification to any Office or public Trust under the United States.

Article VII

The Ratification of the Conventions of nine States, shall be sufficient for the Establishment of this Constitution between the States so ratifying the Same.

DONE in Convention, by the Unanimous Consent of the States present, the Seventeenth day of September, in the Year of our Lord one thousand seven hundred and Eighty seven, and of the Independence of the United States of America the Twelfth. IN WITNESS whereof We have hereunto subscribed our Names.

George Washington, President and deputy from Virginia

New Hampshire—John Langdon, Nicholas Gilman

Masssachusetts—Nathaniel Gorham, Rufus King

Connecticut—Wm. Saml. Johnson, Roger Sherman

New York—Alexander Hamilton

New Jersey—Wil: Livingston, David Brearley, Wm. Paterson, Jona: Dayton

Pennsylvania—B. Franklin, Thomas Mifflin, Robt. Morris, Geo. Clymer, Thos. FitzSimons, Jared Ingersoll, James Wilson, Gouv. Morris

Delaware—Geo: Read, Gunning Bedford Jun,

John Dickinson, Richard Bassett, Jaco: Broom
Maryland—James McHenry,
Daniel of Saint Thomas Jenifer, Danl. Carroll
Virginia—John Blair, James Madison Jr.
North Carolina—Wm. Blount,
Rich'd Dobbs Spaight, Hugh Williamson
South Carolina—J. Rutledge,
Charles Cotesworth Pinckney, Charles Pinckney,
Pierce Butler
Georgia—William Few, Abr. Baldwin
Attest: William Jackson, Secretary

Constitutional Amendments

Amendment [I]

Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances.

Amendment [II]

A well-regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear Arms, shall not be infringed.

Amendment [III]

No Soldier shall, in time of peace be quartered in any house, without the consent of the Owner, nor in time of war, but in a manner to be prescribed by law.

Amendment [IV]

The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

Amendment [V]

No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury, except in cases arising in the land or naval forces, or in the Militia, when in actual service in time of war or public danger; nor shall any person be subject for the same offense to be twice put in jeopardy of life or limb; nor shall be compelled in any criminal case to be a witness against himself, nor be deprived of life, liberty, or property, without due process of law; nor shall private property be taken for public use, without just compensation.

Amendment [VI]

In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an impartial jury of the State and district wherein the crime shall have been committed, which district shall have been previously ascertained by law, and to be informed of the nature and cause of the accusation; to be confronted with the witnesses against him; to have compulsory process for obtaining witnesses in his favor, and to have the assistance of counsel for his defense.

Amendment [VII]

In Suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury shall be otherwise reexamined in any Court of the United States, than according to the rules of the common law.

Amendment [VIII]

Excessive bail shall not be required, nor excessive fines imposed, nor cruel and unusual punishments inflicted.

Amendment [IX]

The enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people.

Amendment [X]

The powers not delegated to the United States by the Constitution, nor prohibited by it to the States, are reserved to the States respectively, or to the people.

Amendment [XI]

The Judicial power of the United States shall not be construed to extend to any suit in law or equity, commenced or prosecuted against one of the United States by Citizens of another State, or by Citizens or Subjects of any Foreign State.

Amendment [XII]

The Electors shall meet in their respective States and vote by ballot for President and Vice-President, one of whom, at least, shall not be an inhabitant of the same State with themselves; they shall name in their ballots the person voted for as President, and in distinct ballots the person voted for as Vice-President, and they shall make distinct lists of all persons voted for as President, and of all persons voted for as Vice-President, and of the number of votes for each, which lists they shall sign and certify, and transmit sealed to the seat of the government of the United States, directed to the President of the Senate;—The President of the Senate shall, in the presence of the Senate and the House of Representatives, open all the certificates and the votes shall then be counted;—The person having the greatest number of votes for President, shall be the President, if such number be a majority of the whole number of Electors appointed; and if no person have such majority, then from the persons having the highest numbers not exceeding three on the list of those voted for as President, the House of Representatives shall choose immediately, by ballot, the President. But in choosing the President, the votes shall be taken by States, the representation from each State having one vote; a quorum for this purpose shall consist of a member or members from two-thirds of the States, and a majority of all the States shall be necessary to a choice. And if the House of Representatives shall not choose a President whenever the right of choice shall devolve upon them, before the fourth day of March next following, then the Vice-President shall act as President, as in the case of the death or other constitutional disability of the President.—The person having the greatest number of votes as Vice-President, shall be the Vice-President, if such number be a majority of the whole number of Electors appointed, and if no person have a majority, then from the two highest numbers on the list, the Senate shall choose the Vice-President; a quorom for the purpose shall consist of two-thirds of the whole number of Senators, and a majority of the whole number shall be necessary to a choice. But no person constitutionally ineligible to the office of President shall be eligible to that of Vice-President of the United States.

Amendment [XIII]

Section 1. Neither slavery nor involuntary servitude, except as a punishment for crime whereof the party shall have been duly convicted, shall exist within the United States, or any place subject to their jurisdicton.

Section 2. Congress shall have power to enforce this article by appropriate legislation.

Amendment [XIV]

Section 1. All persons born or naturalized in the United States, and subject to the jurisdiction thereof, are citizens of the United States and of the State wherein they reside. No State shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any State deprive any person of life, liberty, or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws.

Section 2. Representatives shall be apportioned among the several States according to their respective numbers, counting the whole number of persons in each State, excluding Indians not taxed. But when the right to vote at any election for the choice of Electors for President and Vice-President of the United States, Representatives in Congress, the Executive and Judicial officers of a State, or the members of the Legislature thereof, is denied to any of the male inhabitants of such State, being twenty-one years of age, and citizens of the United States, or in any way abridged, except for participation in rebellion, or other crime, the basis of representation therein shall be reduced in the proportion which the number of such male citizens shall bear to the whole number of male citizens twenty-one years of age in such State.

Section 3. No person shall be a Senator or Representative in Congress, or Elector of President and Vice-President, or hold any office, civil or military, under the United States, or under any State, who, having previously taken an oath, as a member of Congress, or as an officer of the United States, or as a member of any State legislature, or as an executive or judicial officer of any State, to support the Constitution of the United States, shall have engaged in insurrection or rebellion against the same, or given aid or comfort to the enemies thereof. But Congress may by a vote of two-thirds of each House, remove such disability.

Section 4. The validity of the public debt of the United States, authorized by law, including debts incurred for payment of pensions and bounties for services in suppressing insurrections or rebellion, shall not be questioned. But neither the United States nor any State shall assume or pay any debt or obligation incurred in aid of insurrection or rebellion against the United States, or any claim for the loss or emancipation of any slave; but all such debts, obligations and claims shall be held illegal and void.

Section 5. The Congress shall have the power to enforce, by appropriate legislation, the provisions of this article.

Amendment [XV]

Section 1. The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of race, color, or previous condition of servitude.

Section 2. The Congress shall have power to enforce this article by apppropriate legislation.

Amendment [XVI]

The Congress shall have power to lay and collect taxes on incomes, from whatever source derived, without apportionment among the several States, and without regard to any census or enumeration.

Amendment [XVII]

The Senate of the United States shall be composed of two Senators from each State, elected by the people thereof, for six years; and each Senator shall have one vote. The electors in each State shall have the qualifications requisite for electors of the most numerous branch of the State Legislatures.

When vacancies happen in the representation of any State in the Senate, the executive authority of such State shall issue writs of election to fill such vacancies: *Provided*, That the Legislature of any State may empower the Executive thereof to make temporary appointments until the people fill the vacancies by election as the Legislature may direct.

This amendment shall not be so construed as to affect the election or term of any Senator chosen before it becomes valid as part of the Constitution.

Amendment [XVIII]

Section 1. After one year from the ratification of this article the manufacture, sale, or transportation of intoxicating liquors within, the importation thereof into, or the exportation thereof from the United States and all territory subject to the jurisdiction thereof for beverage purposes is hereby prohibited.

Section 2. The Congress and the several States shall have concurrent power to enforce this article by appropriate legislation.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of the several States, as provided in the Constitution, within seven years from the date of the submission hereof to the States by the Congress.

Amendment [XIX]

The right of citizens of the United States to vote shall not be denied or abridged by the United States or by any State on account of sex.

Congress shall have power to enforce this Article by appropriate legislation.

Amendment [XX]

Section 1. The terms of the President and Vice President shall end at noon on the 20th day of January, and the terms of Senators and Representatives at noon on the 3rd day of January, of the years in which such terms would have ended if this article had not been ratified; and the terms of their successors shall then begin.

Section 2. The Congress shall assemble at least once in every year, and such meeting shall begin at noon on the 3rd day of January, unless they shall by law appoint a different day.

Section 3. If, at the time fixed for the beginning of the term of the President, the President elect shall have died, the Vice President elect shall become President. If a President shall not have been chosen before the time fixed for the beginning of his term, or if the President elect shall have failed to qualify, then the Vice President elect shall act as President until a President shall have qualified; and the Congress may by law provide for the case wherein neither a President elect nor a Vice President elect shall have qualified, declaring who shall then act as President, or the manner in which one who is to act shall be selected, and such person shall act accordingly until a President or Vice President shall have qualified.

Section 4. The Congress may by law provide for the case of the death of any of the persons from whom the House of Representatives may choose a President whenever the right of choice shall have devolved upon them, and for the case of the death of any of the persons from whom the Senate may choose a Vice President whenever the right of choice shall have devolved upon them.

Section 5. Sections 1 and 2 shall take effect on the 15th day of October following the ratification of this article.

Section 6. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of three-fourths of the several States within seven years from the date of its submission.

Amendment [XXI]

Section 1. The eighteenth article of amendment to the Constitution of the United States is hereby repealed.

Section 2. The transportation or importation into any State, Territory, or Possession of the United States for delivery or use therein of intoxicating liquors, in violation of the laws thereof, is hereby prohibited.

Section 3. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by conventions in the several States, as provided in the Constitution, within seven years from the date of the submission hereof to the States by the Congress.

Amendment [XXII]

Section 1. No person shall be elected to the office of the President more than twice, and no person who has held the office of President, or acted as President, for more than two years of a term to which some other person was elected President shall be elected to the office of the President more than once. But this Article shall not apply to any person holding the office of President when this Article was proposed by the Congress, and shall not prevent any person who may be holding the office of President, or acting as President, during the term within which this Article becomes operative from holding the office of President or acting as President during the remainder of such term.

Section 2. This article shall be inoperative unless it shall have been ratified as an amendment to the Constitution by the Legislatures of three-fourths of the several States within seven years from the date of its submission to the States by the Congress.

Amendment [XXIII]

Section 1. The District constituting the seat of Government of the United States shall appoint in such manner as the Congress may direct:

A number of electors of President and Vice President equal to the whole number of Senators and Representatives in Congress to which the District would be entitled if it were a State, but in no event more than the least populous State; they shall be in addition to those appointed by the States, but they shall be considered, for the purposes of the election of President and Vice President, to be electors appointed by a State; and they shall meet in the District and perform such duties as provided by the twelfth article of amendment.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment [XXIV]

Section 1. The right of citizens of the United States to vote in any primary or other election for President or Vice President, for electors for President or Vice President, or for Senator or Representative in Congress, shall not be denied or abridged by the United States or any State by reason of failure to pay any poll tax or other tax.

Section 2. The Congress shall have power to enforce this article by appropriate legislation.

Amendment [XXV]

Section 1. In case of the removal of the President from office or of his death or resignation, the Vice President shall become President.

Section 2. Whenever there is a vacancy in the office of the Vice President, the President shall nominate a Vice President who shall take office upon confirmation by a majority vote of both houses of Congress.

Section 3. Whenever the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that he is unable to discharge the powers and duties of his office, and until he transmits to them a written declaration to the contrary, such powers and duties shall be discharged by the Vice President as Acting President.

Section 4. Whenever the Vice President and a majority of either the principal officers of the executive departments or of such other body as Congress may by law provide, transmit to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office, the Vice President shall immediately assume the powers and duties of the office as Acting President.

Thereafter, when the President transmits to the President pro tempore of the Senate and the Speaker of the House of Representatives his written declaration that no inability exists, he shall resume the powers and duties of his office unless the Vice President and a majority of either the principal officers of the executive department or of such other body as Congress may by law provide, transmit within four days to the President pro tempore of the Senate and the Speaker of the House of Representatives their written declaration that the President is unable to discharge the powers and duties of his office. Thereupon Congress shall decide the issue, assembling within forty-eight hours for that purpose if not in session. If the Congress, within twenty-one days after receipt of the latter written declaration, or, if Congress is not in session, within twenty-one days after Congress is required to assemble, determines by two-thirds vote of both houses that the President is unable to discharge the powers and duties of his office, the Vice President shall continue to discharge the same as Acting President; otherwise, the President shall resume the powers and duties of his office.

Amendment [XXVI]

Section 1. The right of citizens of the United States, who are 18 years of age or older, to vote shall not be denied or abridged by the United States Government or any state on account of age.

Section 2. The Congress shall have the power to enforce this article by appropriate legislation.

(Proposed) Amendment[XXVII]

Section 1. Equality of rights under the law shall not be denied or abridged by the United States or by any State on account of sex.

Section 2. The Congress shall have the power to enforce, by appropriate legislation, the provisions of this article.

Section 3. This amendment shall take affect two years after the date of ratification. *(This proposed amendment was passed by Congress in 1972, and had been ratified by 35 of the required 38 states, as of May 15, 1978.)*